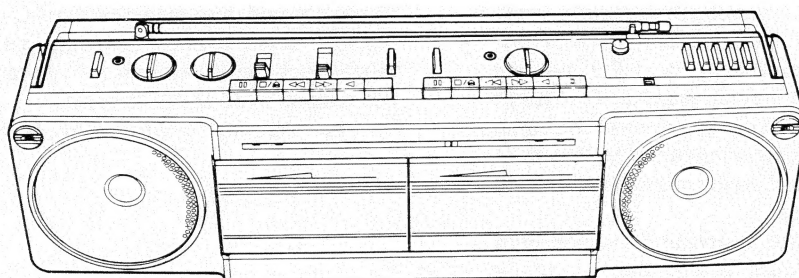


JVC

SERVICE MANUAL

STEREO RADIO CASSETTE RECORDER

MODEL RC-W3 L/LD



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Safety Precautions

1. The design of this product contains special hardware. Many circuits and components specially for safety purposes.
For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by (\triangle) on the schematics and parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in Service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and/or the like to be separated from live parts, high temperature part, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.
When service is required, the original lead routing and dress should be observed, and they should be confirmed to be returned to normal, after re-assembling.

5. Leakage current check

(Safety for electrical shock hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

Do not use a line isolation transformer during this check.

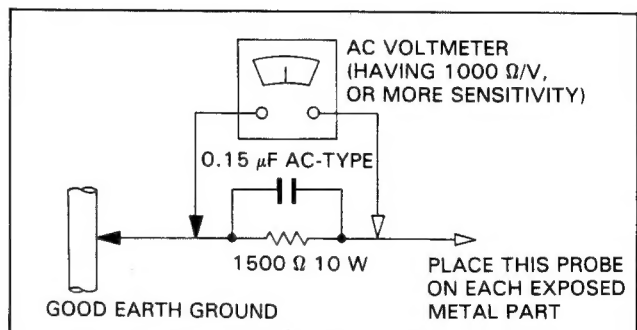
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5 mA AC (r.m.s.).
- Alternate check method.

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1500 Ω 10 W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.)

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.).

This corresponds to 0.5 mA AC (r.m.s.).



Features

1. Fashionable stereo radio double cassette recorder with triple speed dubbing facility.

- Listen to one source while recording another or while dubbing.
- Single pause release button for decks **A** and **B** to start dubbing simultaneously.
- Single music scan mechanism in both direction (Deck **A**).

"Under license from Staar S.A., Brussels, Belgium."

- Continuous playback from deck **A** to deck **B**.

- Simultaneous mixing/recording facility.
- Built-in microphone (monaural).
- Beat cut switch.

2. Total output of 12 W (6 W + 6 W) Max. (3.2 Ω), 5 W per channel at 10% THD (3.2 Ω).

- 2-way power supply (AC power cord or batteries).
- 10 cm (4") full range speaker \times 2.
- AUX IN pin jacks.
- DIN jack.

Specifications

Speakers	: 10 cm (4") \times 2, 3.2 Ω
Frequency ranges	: FM 88—108 MHz MW 540—1600 kHz SW 6—18 MHz LW 150—350 kHz
Antennas	: Telescopic antenna for FM & SW Ferrite core antenna for MW & LW
Track system	: 4-track 2-channel stereo
Motors	: Electronic governor DC motor for capstan \times 2 (for Deck A & B)
Heads	: Deck A ; Hard permalloy head for playback Dummy head for erasure Deck B ; Hard permalloy head for recording/playback, 2-gap ferrite head for erasure
Tape speed	: At normal speed; 4.8 cm/sec (1-7/8 inch/sec) At triple speed; 14.3 cm/sec (5-3/4 inch/sec)
Frequency response	: 60—13,000 Hz
Wow and flutter	: 0.16% (WRMS)
Fast wind time	: Approx. 110 sec. (C-60 cassette)
Input terminals	: MIC \times 1 (Min. input level: 2 mV (-54 dBV) Matching impedance: (200 Ω —2 k Ω) AUX \times 2 (250 mV/47 k Ω)

Output jacks	: PHONES \times 1 (Output level: 0~60 mW/32 Ω , Matching impedance: 8 Ω —32 Ω)
DIN (REC/PB) jack	: Min. input level: 0.6 mV/k Ω Input impedance: 10 k Ω Output level: 0.3 V Output impedance: 10 k Ω
Power output	: Total output of 12 W (6 W + 6 W) Max. (3.2 Ω), 5 W per chan- nel at 10% THD (3.2 Ω)
Power sources	: AC 240/220/110 V, 50/60 Hz DC 12 V ("R14" \times 8)
Power consumption	: 17 watts (with power switch on) 1.1 watt (with power switch off)
Dimensions	: 532(W) \times 149(H) \times 133(D) mm (21" \times 5-7/8" \times 5-1/4") including knobs and handle
Weight	: Approx. 3.9 kg (8.6 lbs) with batteries Approx. 3.5 kg (7.7 lbs) without batteries

Design and specifications are subject to change without notice.

Names of Controls and Their Functions

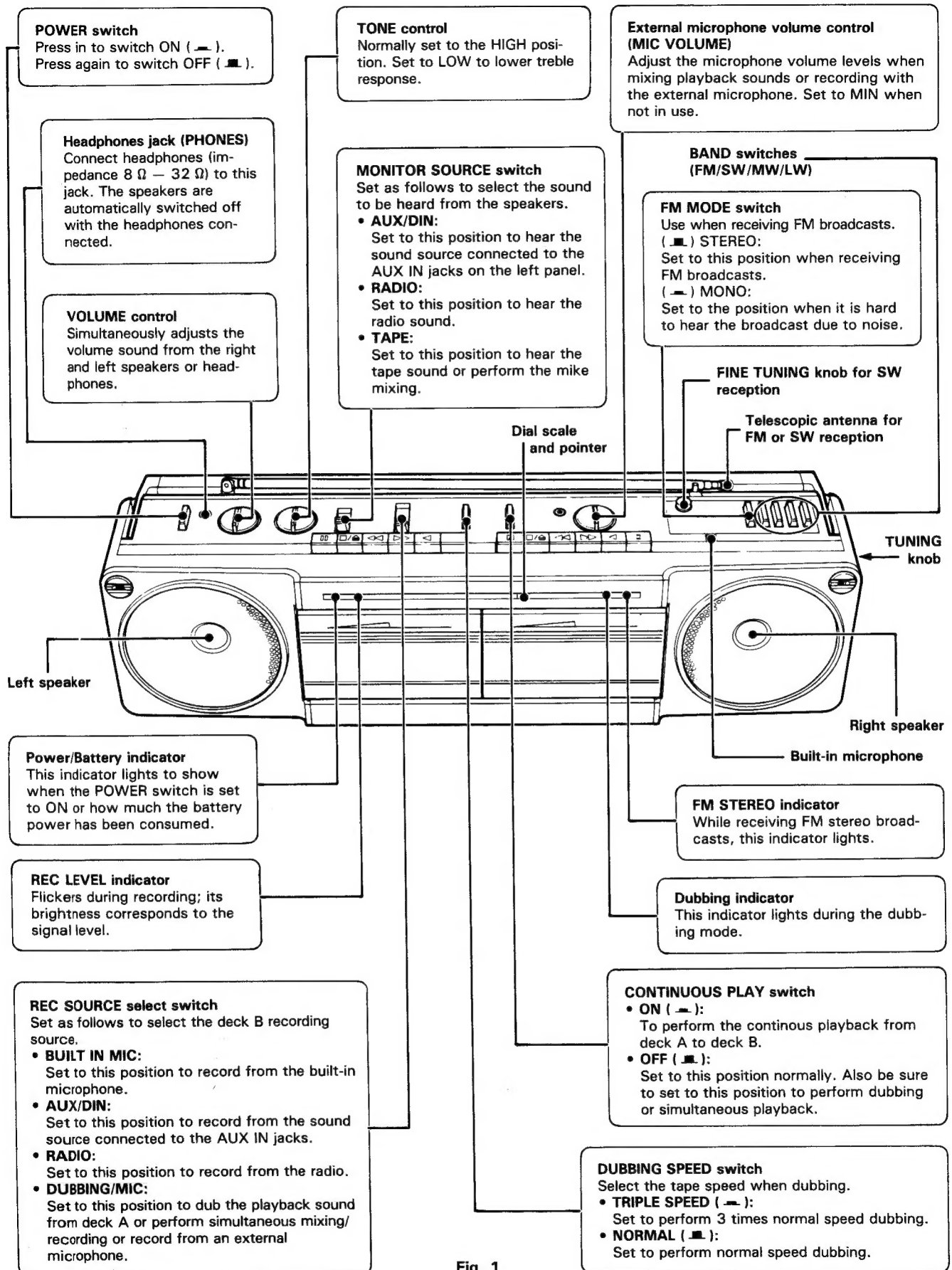


Fig. 1

Cassette operation buttons (Deck A)

II PAUSE button

Press to stop the tape temporarily. To release the pause mode, press again this button.

■/▲ STOP/EJECT button

Press to stop the tape. Pressing this button after the tape stops opens the cassette holder

◀ FF button

Press this button to fast wind the tape from right to left. In addition, this button is also used for music scanning.

▶ REW button

Press to wind the tape rapidly from left to right. In addition, this button is also used for music scanning.

◀ PLAY button

Press to play or scan the tape.

SYNCHRO PAUSE RELEASE button

Press to release the pause modes of decks A and B simultaneously for dubbing.

MIC/(MIXING MIC) jack

When recording or mixing using microphone, connect microphone (with an impedance of 200 Ω to 2 k Ω) to this jack. In the monaural mode, the sound from the microphone will be emitted from the right and left speakers.

Cassette operation buttons (Deck B)

II PAUSE button

Press to stop the tape transport temporarily. Press again to release the pause mode.

■/▲ STOP/EJECT button

Press to stop the tape while the tape is moving or to open the cassette holder during the stop mode.

◀ FF button

Press to fast forward the tape from right to left.

▶ REW button

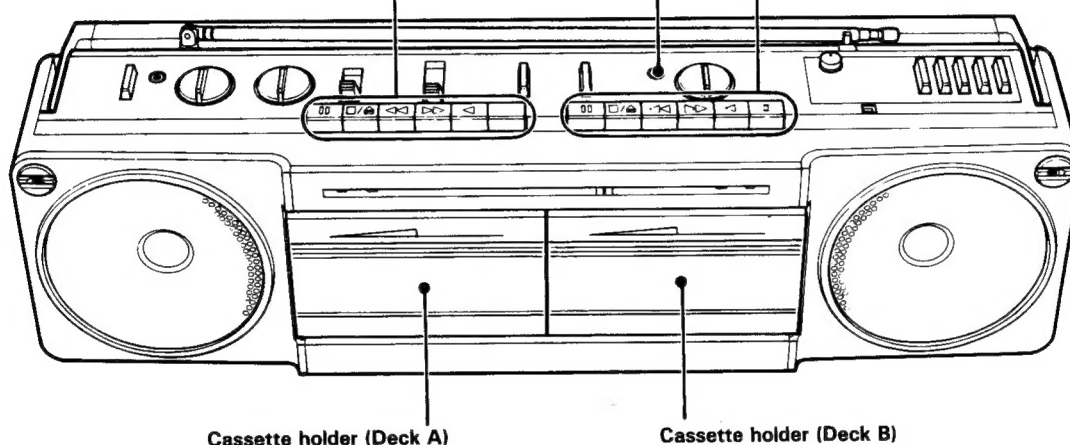
Press to fast rewind the tape from left to right.

◀ PLAY button

Press to play back the tape.

○ REC button

Press this button together with the ◀ PLAY button for recording (or dubbing).



Cassette holder (Deck A)

Cassette holder (Deck B)

Fig. 2

AC IN (AC input) terminal

With the power cord connected, the power is automatically switched to AC current, even if the batteries are inserted.

VOLTAGE SELECTOR (240/220/110 V)

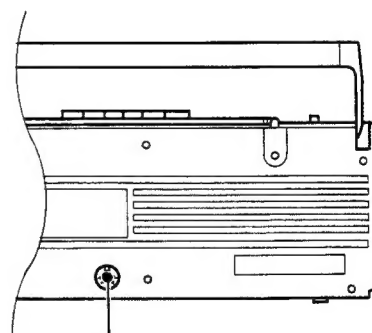
Set this switch according to the local voltage.

AUX IN jacks

Connect to another tape recorder, etc.

BEAT CUT switch

You can eliminate beats which may occur in recording short and medium wave broadcasts by changing the position of this switch. Set it to "1 NORM" position for normal use.



DIN Jack (REC/PB)

When recording or playing back through external stereo components, hook up is performed via this jack using a DIN connecting cord.

Fig. 3

Location of Main Parts

Rear side view

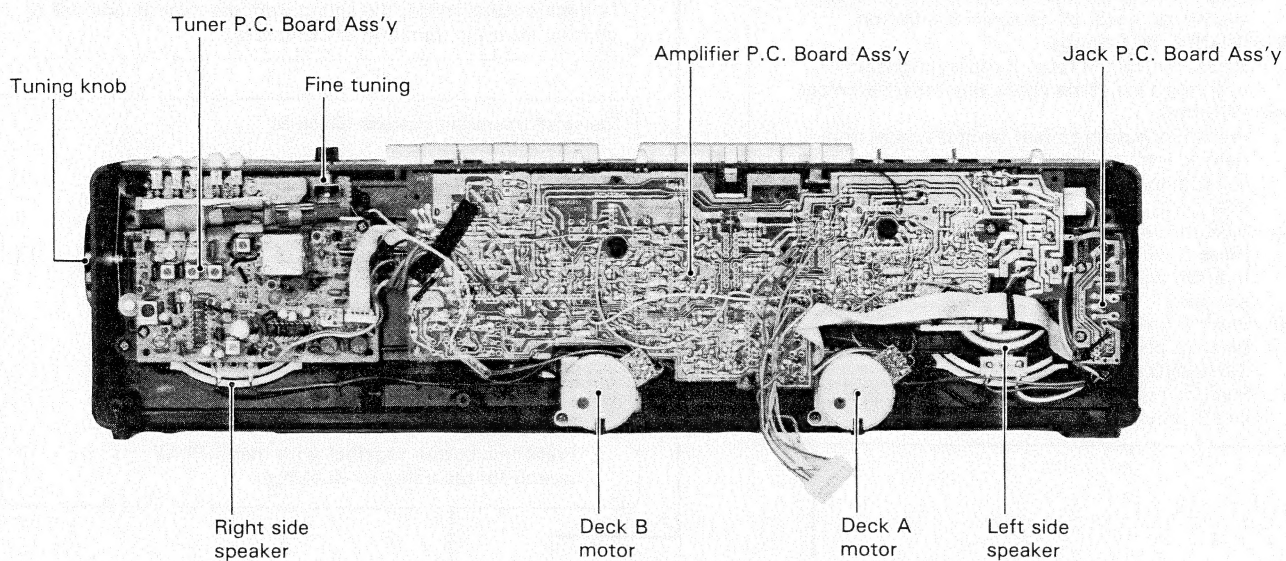


Fig. 4

Front side view

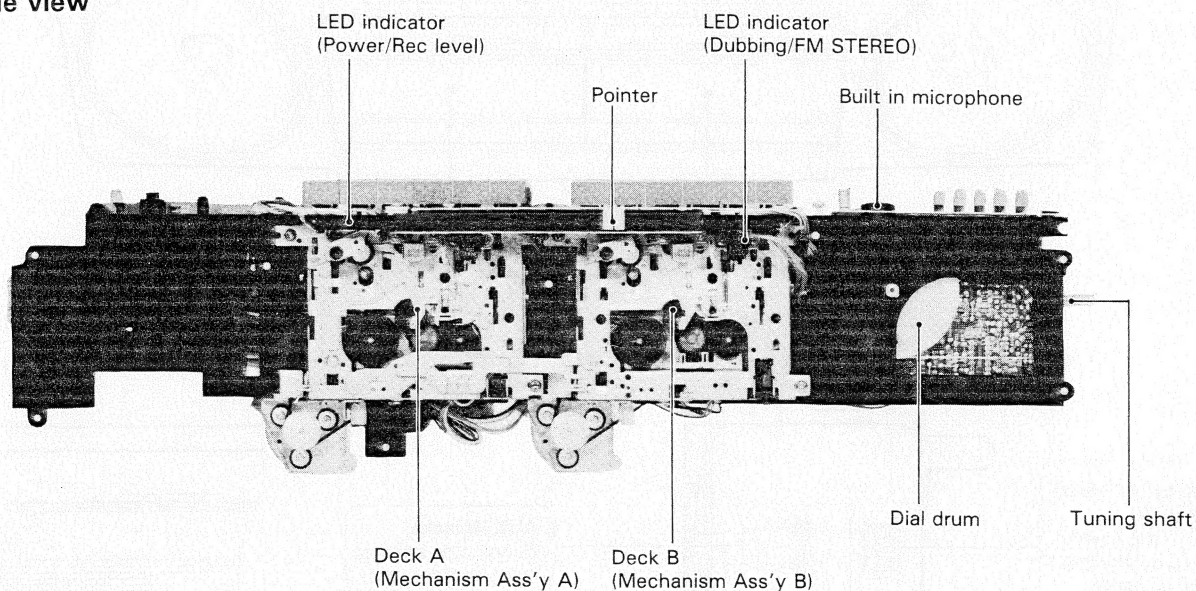


Fig. 5

Removal of Main Parts

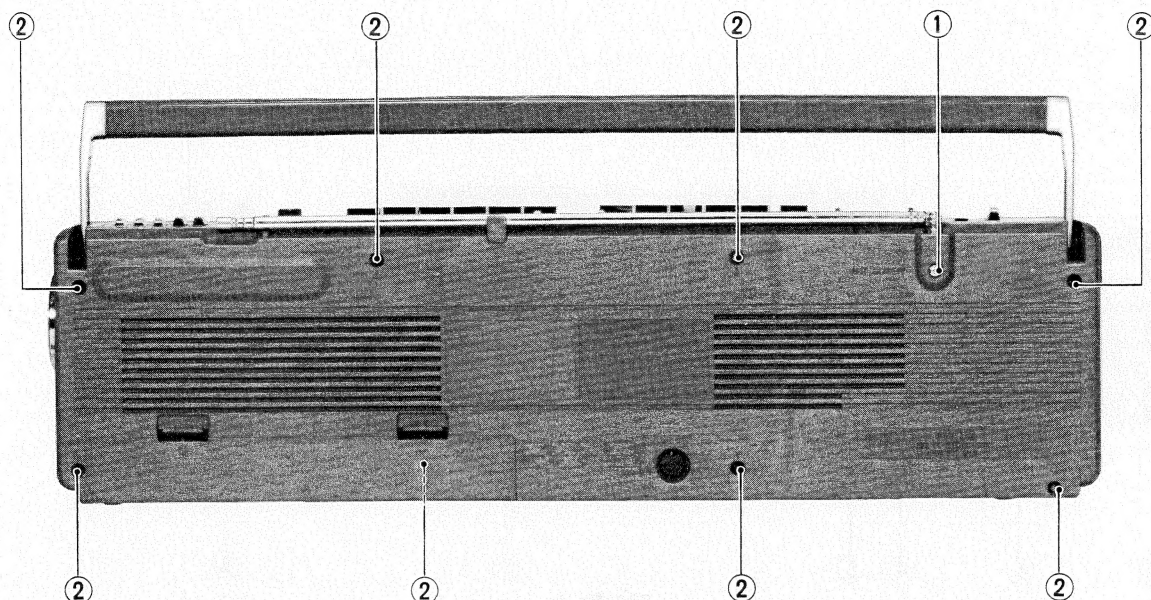


Fig. 6

Replacing the rod antenna (Fig. 6)

1. Pull out screw (1) : SDSP3010R, then replace the rod antenna.

Removing the rear cabinet (Fig. 6)

1. Unscrew eight screws (2) : SBSF3035Z.
2. Remove the antenna, then pull out the receptacle wire from the power supply P.C. Board.
3. Remove the connector on Din P.C. Board.

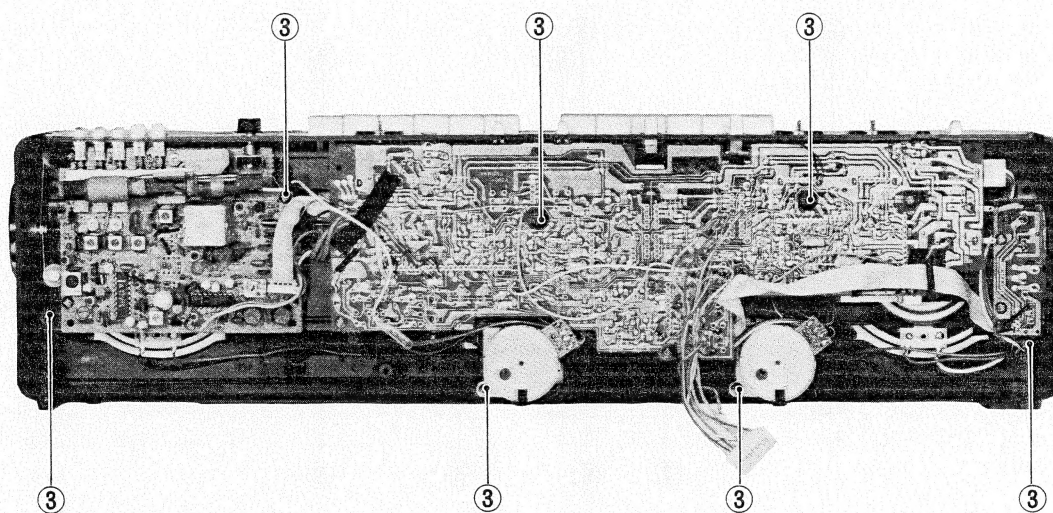


Fig. 7

Removing the chassis Ass'y (Fig. 7)

1. Unscrew seven screws (3) : SBSF3014C.
2. Remove the tuning knob and push knob from the tuner P.C. Board, then remove the volume knob from the Amp P.C. Board.
3. Disengage speaker connector wire CN801, then remove the chassis Ass'y sliding it towards the tuner P.C. Board (Left).

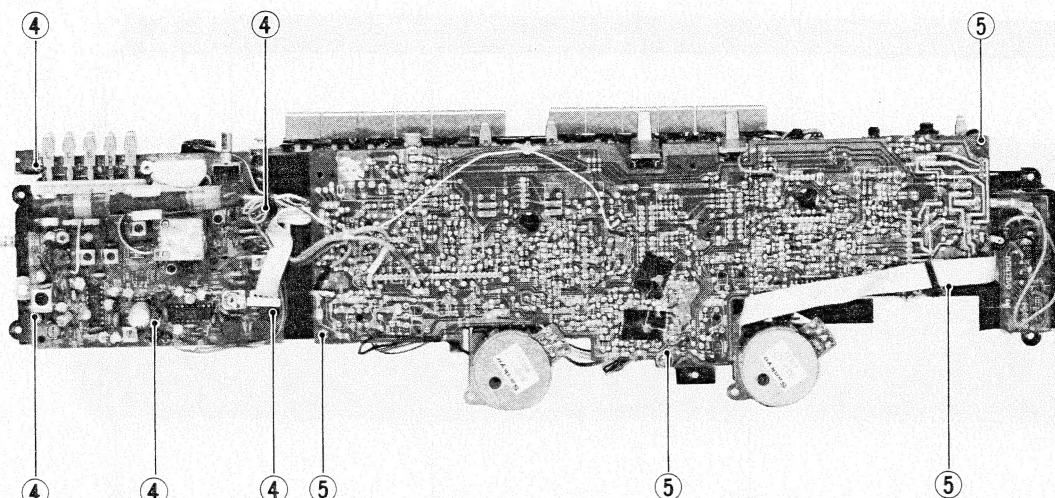


Fig. 8

Removing the tuner P.C. Board (Fig. 8)

1. Unscrew four screws (4) : SBSF3010Z, then disengage the parallel wire of CN1 to remove the tuner P.C. Board. (For the direction of insertion, see the servicing diagram of the P.C. Board.)

Removing the Amp P.C. Board (Fig. 8)

1. Unscrew four screws (5) : SBSF3010Z, then remove the Amp P.C. Board from the chassis.

(Note) When installing it again, position the lever so that the REC button operation is interlocked with the REC/PLAY select switch.

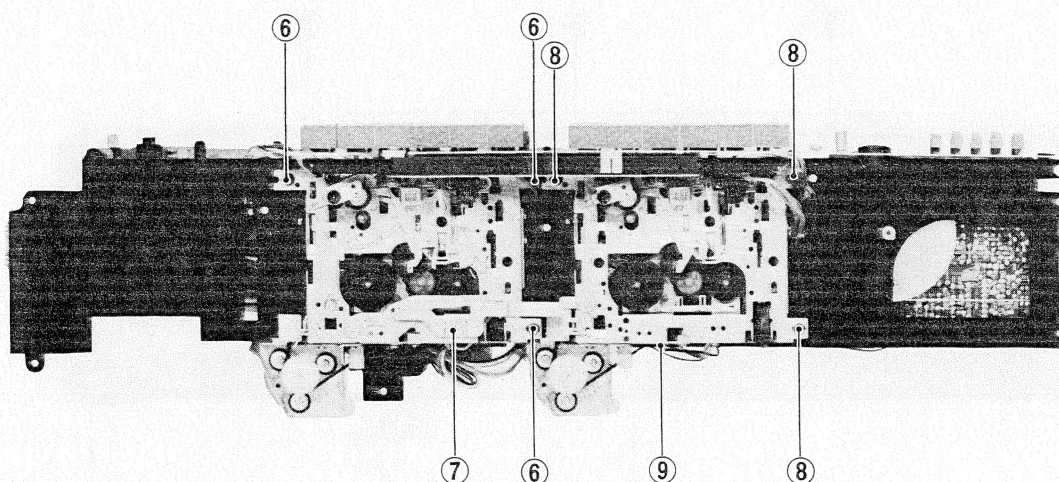


Fig. 9

Removing the cassette mechanism Ass'y (A) (Fig. 9)

1. Unscrew three screws (6) : SBSF3008Z and collar screw (7) to remove the lever Ass'y.
2. Disengage connectors CN802 and CN804 to remove the cassette mechanism Ass'y (A)

Removing the cassette mechanism Ass'y (B) (Fig. 9)

1. Unscrew three screws (8) : SBSF3008Z and screw (9) : SDST2605Z.
2. Disengage connector CN803, then unsolder the head wire from the Amp P.C. Board.

Removing the Mechanism Parts

Also see the exploded view of the cassette mechanism Ass'y on page 28.

Removing R/P head ⑥ (Fig. 10)

1. Unsolder the head wire.
2. Unscrew screws ⑨ and ⑩ to remove the R/P head.

(When installing it again, be sure to refer to the standards for the cassette mechanism on page 12.)

Removing erase head ⑪ (Fig. 10)

1. Unscrew two screws ⑰ to remove the erase head.
(In the case of mechanism B, unsolder the head wire.)

Removing pinch roller Ass'y ⑱ (Fig. 10)

1. Pull out stopper ⑳, then remove the pinch roller Ass'y together with the pinch roller spring.

Removing motor Ass'y ⑧⑤ (Fig. 10 and 11)

1. Disengage main belt ⑧④.
2. Remove three screws ⑧①.
3. Unsolder the wires to remove the motor Ass'y.

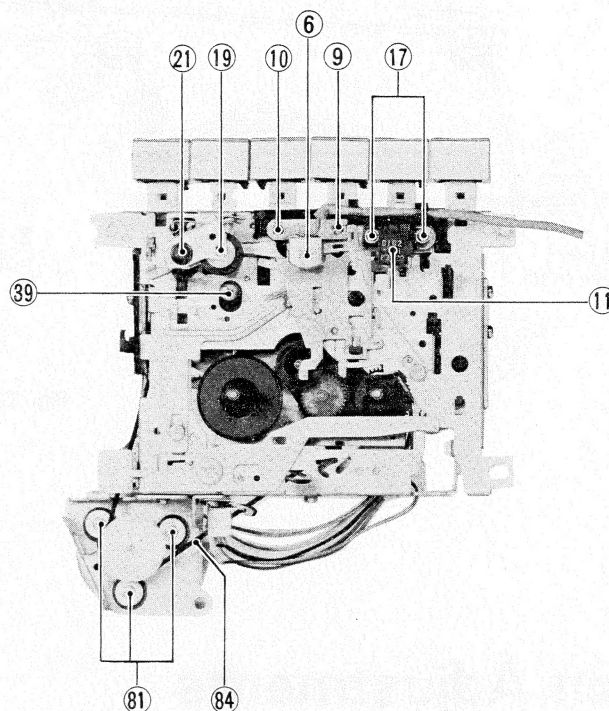


Fig. 10

Removing flywheel Ass'y ③⑦ (Fig. 10 and 11)

1. Unscrew screws ④② and ①①⑧, then remove flywheel bracket ④①.
2. Disengage main belt ⑧④.
3. Pull out washers ③⑨, taking care not to lose them.
(When installing them again, screw ④② cannot be fully tightened. It is ok as long as there is no clearance with the bracket.)

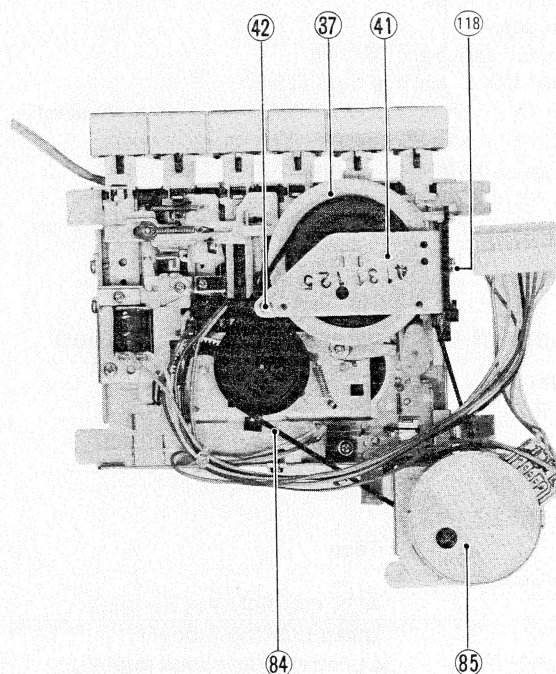


Fig. 11

How to Engage Dial Cord

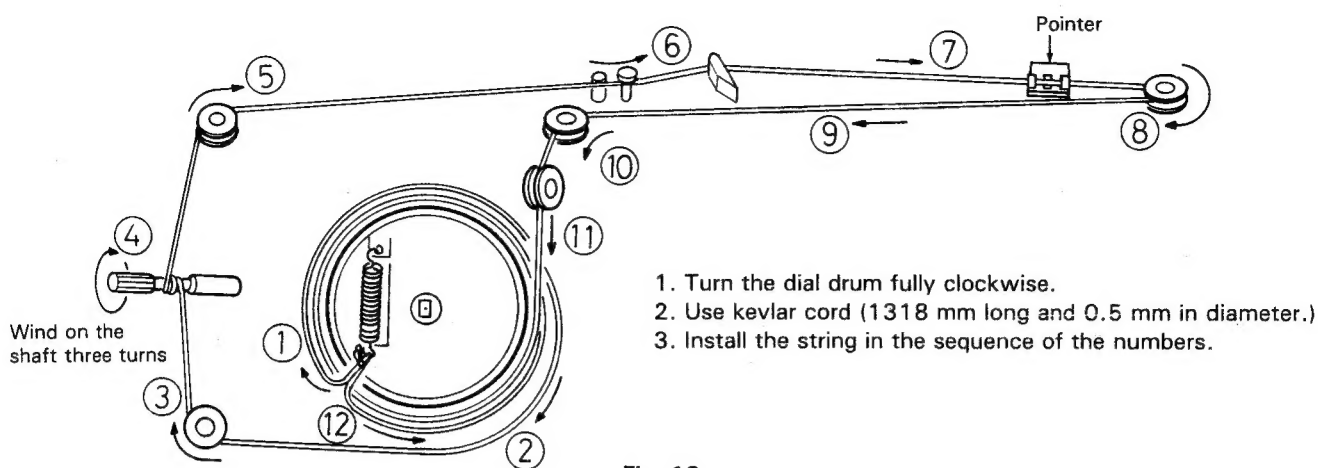


Fig. 12

Main Adjustments

[I] Equipment and Measuring Instruments used for Adjustment

1. Electrical adjustment

- 1) Electronic voltmeter
- 2) Audio frequency oscillator
(range: 50–20 kHz and output 0 dB with impedance 600 Ω)
- 3) Attenuator
- 4) Standard tapes for REC/PB
Maxell UD — Normal tape (TS-5)
TDK SA — Chrome tape (TS-6)
JVC ME — Metal tape (TS-7) } or equivalent
- 5) Reference tapes for playback (JVC Test Tape)
VTT702 (for head azimuth adj. (10 kHz))
VTT712 (for motor speed, wow flutter adj.) or
VTT656

- VTT664 (for reference level 1 kHz)
VTT739 (for playback frequency response)
VTT6447 (for music scanning)
VTT6448 (for music scanning)

- 6) Resistors
600 Ω (for attenuator matching)

2. Mechanical adjustment



Torque testing cassette gauge.

3. Tuner section adjustment


SSG (standard signal generator).
Sweep signal generator.

Adjustment of the Cassette Amplifier Section

[Conditions]

Power supply	: AC 240/220/110 V or DC12V
Volume	: High
Tone	: High
MONITOR SOURCE switch	: Tape
REC SOURCE select switch	: AUX (DUBBING in the triple speed dubbing mode)
DUBBING SPEED switch	: During normal speed dubbing, set to NORMAL (). During triple speed dubbing, set to TRIPLE SPEED ().

CONTINUOUS PLAY

switch	: OFF ().
Output jack	: A load of 3.2 Ω is connected across speaker connector CN801.
Rated input	: AUX IN – 8 dBs
BEAT CUT switch	: 1 NORM

[II] Location of Adjustment (Amplifier and Mechanism)

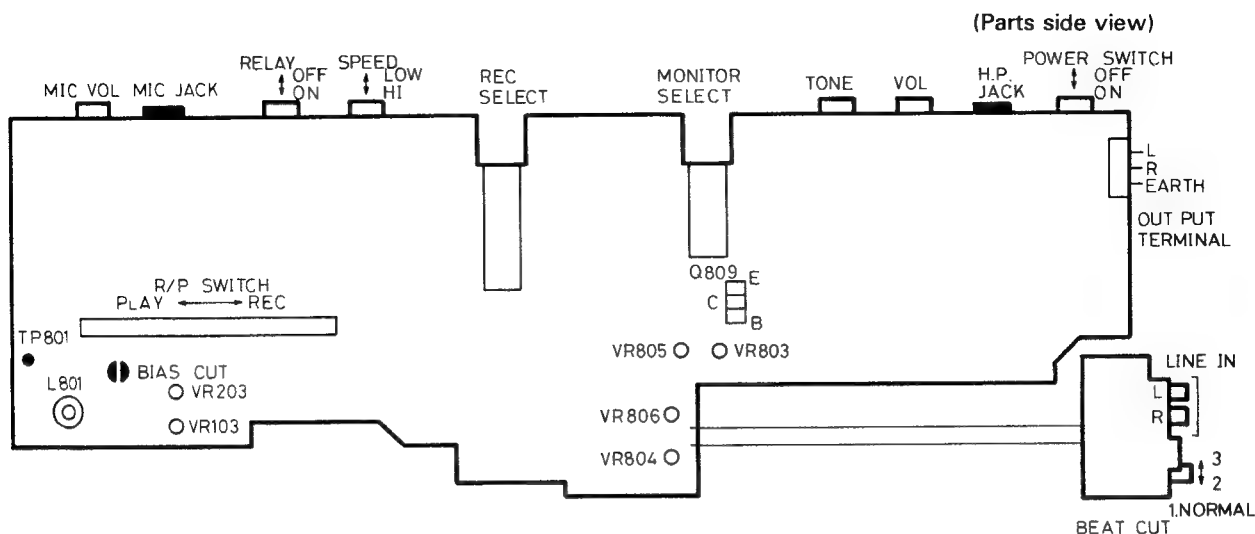


Fig. 13

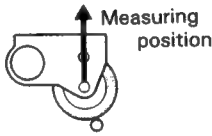
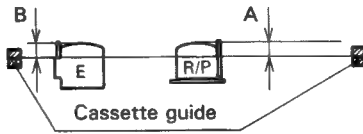
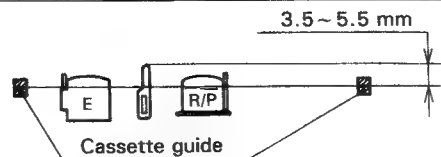
[III] Adjustment

Item	Tape used	Adjustment method	Adjusting point
1. Head azimuth adjustment	Test tape VTT 658 (10 kHz)	Using side A, adjust so that phase difference is minimum when the output is maximum.	R/P head azimuth adjustment screw
2. Tape speed adjustment and wow & flutter check	Test tape VTT 656 (3 kHz)	<p>Mechanism A During normal speed dubbing: $3,000 \text{ Hz} \pm 10 \text{ Hz}$ During triple speed dubbing: $9,030 \text{ Hz} \pm 30 \text{ Hz}$</p> <p>Mechanism B During normal speed dubbing: $2,990 \text{ Hz} \pm 10 \text{ Hz}$ During triple speed dubbing: $9,000 \text{ Hz} \pm 30 \text{ Hz}$ Adjust to the above-mentioned frequencies. Adjust in the order of normal speed dubbing, then triple speed dubbing. During the triple speed dubbing adjustment, shortcircuit between the collector and emitter of Q809. Wow and flutter should be 0.35% or less (JIS-RMS).</p>	VR803 VR805 VR804 VR806
3. Bias frequency adjustment	—	Adjust so that the frequency at erase head test point TP801 is 86 kHz. Connect a 100 k Ω resistor in series with the counter. (during normal speed dubbing)	L801
4. Bias current adjustment	TS-5: Normal	Input 1 kHz and 8 kHz signals with a level of -20 dB (specified input) to AUX IN, then alternately record them using mechanism B. Adjust so that the difference in level between these signals is $0 \pm 1.5 \text{ dB}$ when they are played back.	VR103 VR203
5. Checking the record/playback frequency response	TS-5: Normal	Input 1 kHz, 125 kHz and 8 kHz signals with a level of -20 dB (specified input) to AUX IN, then alternately record them using mechanism B. When they are played back, 125 Hz should be $-3 \text{ dB} \pm 3 \text{ dB}$ with respect to 1 kHz. 8 kHz should be $0 \text{ dB} \pm 3 \text{ dB}$ with respect to 1 kHz. When test tape VTT 674N is dubbed in the triple speed dubbing mode, 125 Hz should be $-1 \text{ dB} \pm 3 \text{ dB}$ with respect to 1 kHz. 8 kHz should be $0 \text{ dB} \pm 4 \text{ dB}$ with respect to 1 kHz.	—
6. Checking the playback output level (at DC 12 V)	Test tape VTT 663 (1 kHz)	The level should be 4 W (3.6 V/3.2 Ω) or more.	


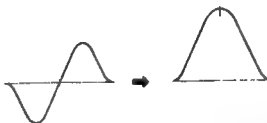
(Note) Complete tape speed adjustment within 30 seconds following running for one minute or more.

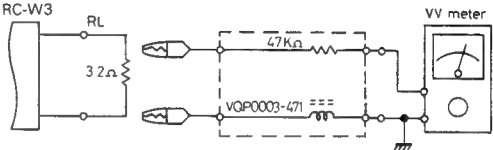
[IV] Standards for the Cassette Mechanism

Check the following items when the cassette mechanism parts have been replaced.

Item	Standard	Test method	Tape used
1. Supply voltage	Rated voltage: DC 12 V Voltage range when the motor is used: DC 8.6 to 13.0 V	Constant-voltage regulated power supply	—
2. Tape speed	4.8 cm/s 2,970 to 3,045 Hz (3000 Hz) (Mechanism A) 2,955 to 3,030 Hz (Mechanism B) Variation: within 30 Hz	Digital frequency counter	VTT 656 or VTT 712
3. Wow & flutter	0.35% or less (JIS. RMS)	Wow meter	VTT 656
4. Winding torque	PLAY 35—75 g.cm	In the PLAY mode, there should be no slippage between the idler, reel, and take-up pulley when the reel is locked. Use torque gauge CTG-N (manufactured by Tonichi or equivalent)	
	FF 80—200 g.cm (mechanism A) 60—200 g.cm (mechanism B)		
	REW 80—200 g.cm (mechanism A) 60—200 g.cm (mechanism B)		
5. Current consumption (Motor only)	PLAY Until the tape comes to the end 150 mA or less	DC ammeter	C-60 Use a tape which is free from abnormality in winding torque.
	FF Until the tape comes to the end 200 mA or less		
	REW —		
6. Clamping force of the pinch roller	375—475 g	Pull the pinch roller in the vertical direction using the tension gauge, then measure the force when the pinch roller stops rotation. (The mechanism is in the vertical state.) 	—
7. Thrust wobble of the flywheel	0.1—0.3 mm	Clearance gauge	—
8. Position of the heads during the PLAY and REC modes (in the music scan mode)	When set to the PLAY (REC) mode, dimensions should be within the tolerance shown on the left. The tips of the heads should not come into contact with a cassette shell.  A: 3.1 ~ 3.6 mm B: 2.9 ~ 3.4 mm (In the music scan mode, A: 1.8 ~ 2.5 mm)		Any cassette tape
9. Auto stop operation	 3.5 ~ 5.5 mm Cassette guide Auto stop detection pressure 40g ~ 70g		Any cassette tape
10. Fast winding time	FF 110 seconds or less		C-60
	REW 110 seconds or less		

[V] Tuner Alignment**BASIC CONDITIONS**

POWER SOURCE OF THE RECEIVER	DC 12 V AC240/220/120 V, 50/60 Hz:
LOAD RESISTANCE OF THE RECEIVER	50 mW (0.4 V)/3.2 Ω
MODULATION OF SSG	400 Hz. 30%
Item	Description
1. AM IF ALIGNMENT 1-1 Conditions of the receiver. (1) Power source: (2) Function switch position: (3) Band select switch: (4) Volume control: (5) Tone control: (6) Variable capacitor: 1-2 Connection of Sweeper and the receiver (1) Tuner input: (2) Tuner output: 1-3 Aligning position: 1-4 Alignment (Waveform): 	DC 4.5 V (only Tuner P.C. Board) (When the power is supplied directly to the tuner in the receiver, the voltage should be adjusted to the proper level which shall be required by the tuner.) RADIO MW Minimum gain position High position Near the minimum capacity position where no signal come in. Positive side to TP4 Positive side to TP2 Negative side to TP3] T3, T4 Adjust AM I.F.T. (above mentioned aligning position) so that maximum and symmetrical wave form can be obtained. In this case, the wavehead should be appeared at the center marker (450 kHz) on the scope of Sweeper.
2. FM IF ALIGNMENT 2-1 Conditions of the receiver (1) Power source: (2) Function switch position: (3) Band select switch: (4) Volume control: (5) Tone control: (6) Variable capacitor: 2-2 Connection of Sweeper and the receiver (1) Tuner input: (2) Tuner output: NOTE a) Attach a capacitor (30 pF) and resistor (30 k Ω) in series to the positive side cable which shall be led from Sweeper input. b) Attach a capacitor (30 pF) and a resistor (100 k Ω) in series to the positive side cable which shall be led from Sweeper output. 2-3 Aligning position: 2-4 Alignment (Waveform): b) Discriminate Waveform:	Same as mentioned in item 1-1 RADIO FM Minimum gain position High position Near the minimum capacity position where no signal come in. Positive side to TP1 (body of C5 or R5) Positive side to TP2 Negative side to TP3 a) IF Waveform: T1 b) Discriminate Waveform: T2 ("S" curve waveform) Adjust the discriminate coil (T2) so that "S" curve waveform may be changed to IF waveform as shown in following figure.  After above, adjust T1 so that max. sensitivity and symmetrical IF waveform can be obtained on the scope of Sweeper. Adjust the discriminate T2 again so that above symmetrical IF waveform may be changed to balanced "S" curve waveform.

Item			Description		
3. AM RF ALIGNMENT					
3-1 Conditions of the receiver.			Same as mentioned in item 1-1.		
(1) Power source:			RADIO		
(2) Function switch position:			50 mW		
(3) Volume control:			Center position		
(4) SEA control:			Refer the following list shown in item 3-4.		
(5) Variable capacitor:					
3-2 Conditions of SSG.			Refer the basic condition		
(1) Modulation:			Refer the following list shown in item 3-4.		
(2) Frequency:			Approx. 50 mW		
(3) Output level of the attenuator in SSG:			Speaker terminals		
3-3 Power output measuring position:					
3-4 Alignment:					
					
			Noise may be introduced by the VTVM into AM (MW) signals due to the mislocation of the measuring instrument. In such a case, use the jigs as illustrated.		
	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
1	LW	Loop Antenna	145 kHz	Max. capacity	L6
2			360 kHz	Min. capacity	TC-6
3			Adjust the above aligning position (L6 & TC-6) repeatedly so that the tuner can be received above frequency range (band width).		
4			160 kHz	to be received 160 kHz	L2
5			350 kHz	to be received 350 kHz	TC-2
6			Adjust the above aligning position (L2 & TC-2) repeatedly so that the tuner can be obtained the best sensitivity.		
7	MW	Loop Antenna	520 kHz	Max. capacity	L7
8			1,650 kHz	Min. capacity	TC-7
9			Adjust the above aligning position (L7 & TC-7) repeatedly so that the tuner can be received above frequency range (band width).		
10			620 kHz	to be received 620 kHz	L3
11			1,400 kHz	to be received 1,400 kHz	TC-3
12			Adjust the above aligning position (L3 & TC-3) repeatedly so that the tuner can be obtained the best sensitivity.		
13	SW	Dummy Antenna	5.8 MHz	Max. capacity	L8
14			18.6 MHz	Min. capacity	TC-8
15			Adjust the above aligning position (L8 & TC-8) repeatedly so that the tuner can be received above frequency range (band width).		
16			6 MHz	to be received 6 MHz	L4
17			18.0 MHz	to be received 18.0 MHz	TC-4
18			Adjust the above aligning position (L4 & TC-4) repeatedly so that the tuner can be obtained the best sensitivity.		
		Note Connect a Telescopic antenna to TP-5			

Item		Description			
4. FM RF ALIGNMENT					
4-1 Conditions of the receiver.		Same as mentioned in item 1-1. RADIO FM 50 mW Center position Refer the following list shown in item 4-3.			
(1) Power source:					
(2) Function switch position:					
(3) Band select switch:					
(4) Volume control:					
(5) Tone control:					
(6) Variable capacitor:					
4-2 Condition of FM SSG.		Refer the basic condition Refer the following list shown in item 4-3. The level shall be decided by the load resistance of the receiver mentioned in the basic conditions.			
(1) Modulation:					
(2) Frequency:					
(3) Output level of the attenuator in FM SSG:					
4-3 Alignment:					
	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of FM SSG	Variable Capacitor Position	Aligning Position
1	FM	Dummy Antenna	87.5 MHz	Max. capacity	L5
2			109.0 MHz	Min. capacity	TC-5
3			Adjust the above aligning position (L5 & TC-5) repeatedly so that the tuner can be received above frequency range (band width).		
4			90 MHz	to be received 90 MHz	L1
5			106 MHz	to be received 106 MHz	TC-1
6			Adjust the above aligning position (L1 & TC-1) repeatedly so that the tuner can be obtained the best sensitivity.		

FM MPX Alignment

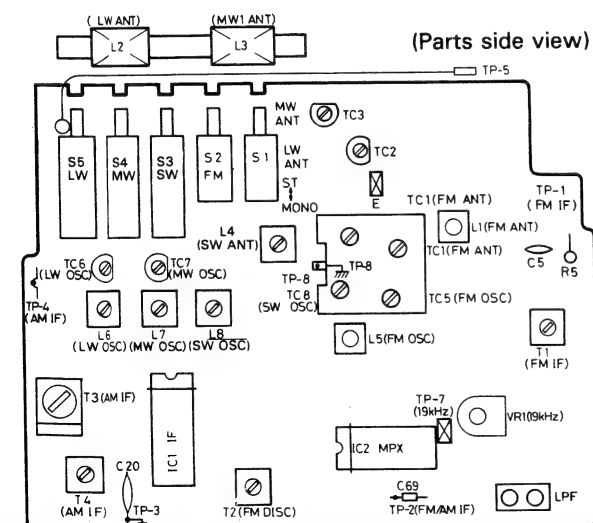
19 kHz Alignment (Regular Method)

1. Connect a frequency counter to the test point TP7 (earth = TP3).
2. Supply the monaural signal (98 MHz, 60 dB) across the antenna terminal.

3. Adjust the variable resistor VR1 so that the frequency becomes $19 \text{ kHz} \pm 100 \text{ Hz}$.

Note: Attach a resistor (100 k Ω) to the positive side cable shall be led from counter input.

Parts Arrangement for Alignment



Block Diagram

Playback System

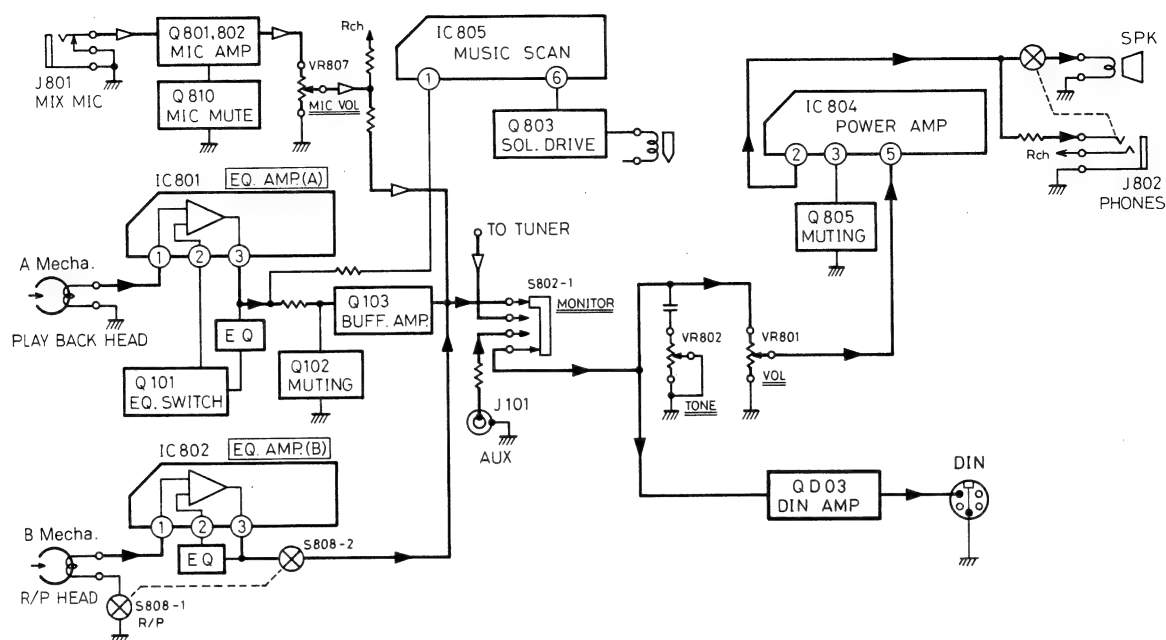


Fig. 16

Recording System

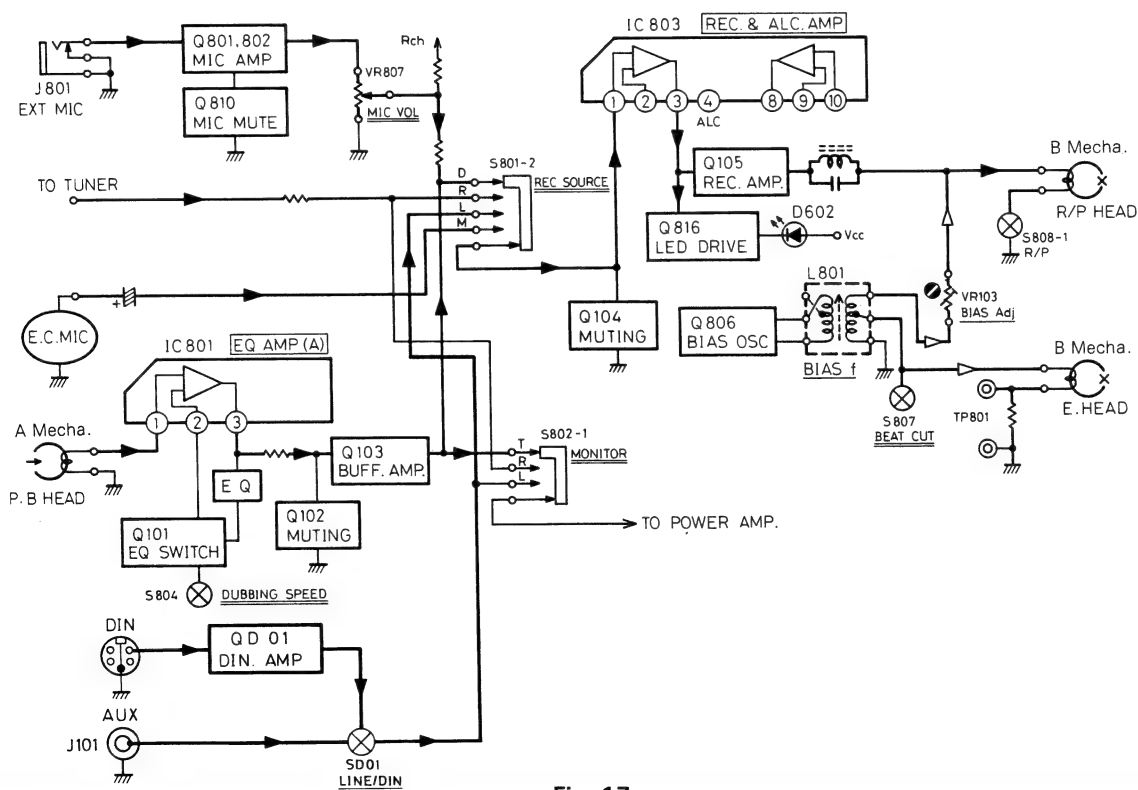


Fig. 17

Tuner System

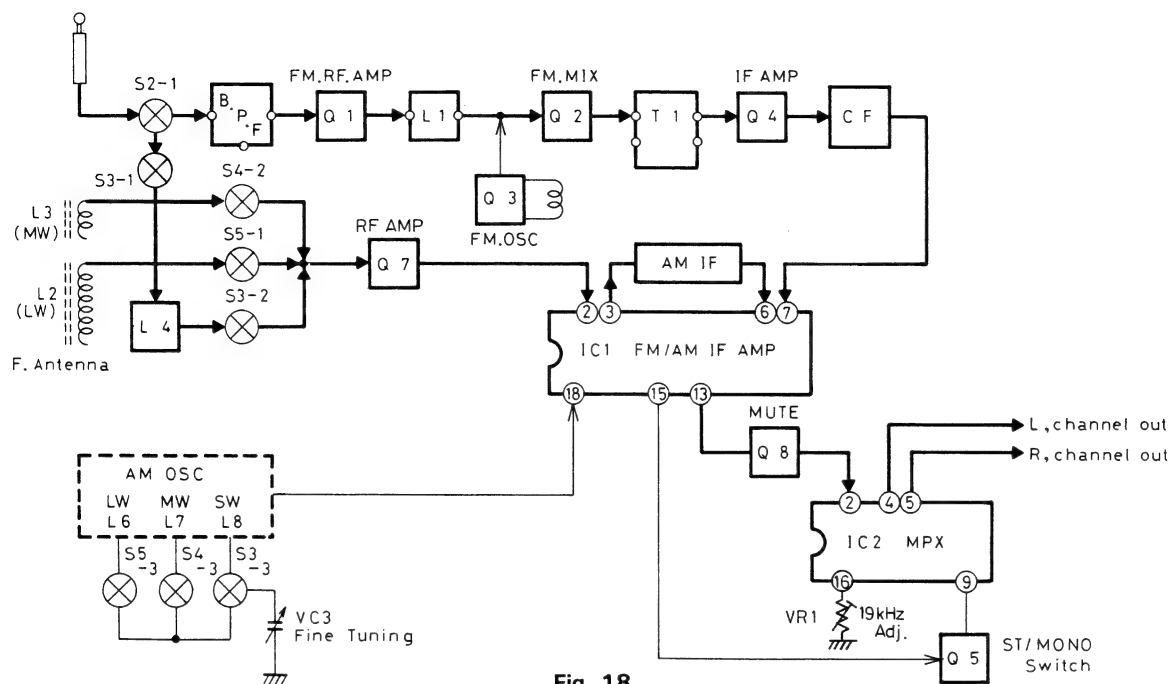
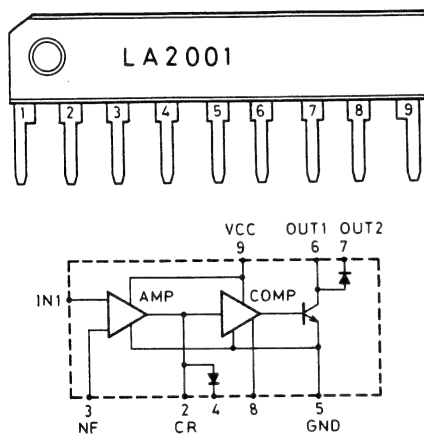


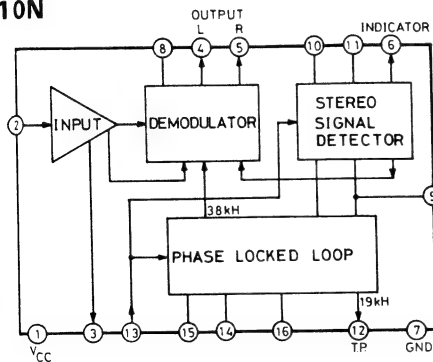
Fig. 18

Integrated Circuit

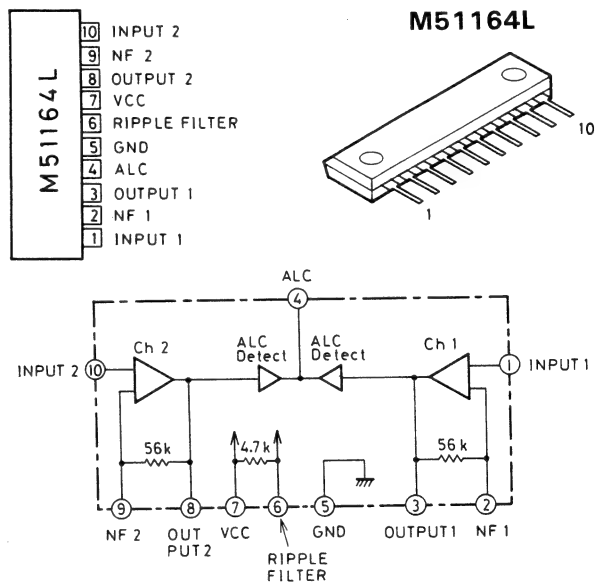
LA2001



AN7410N



M51164L



μPC1228H

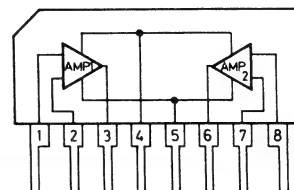
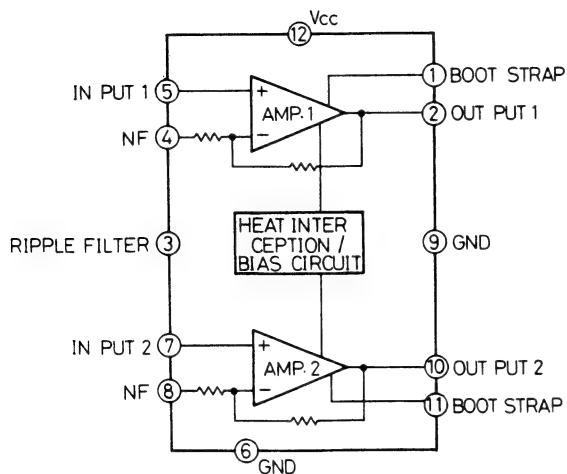


Fig. 19-A

TA7233P



AN7222N

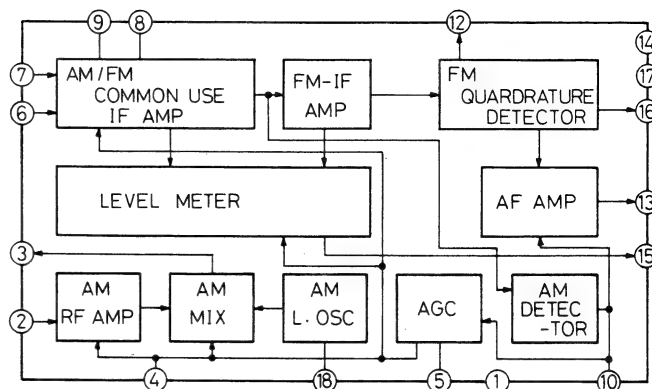


Fig. 19-B

Standard Schematic Diagram of RC-W3 L/LD

(DIN Circuit)

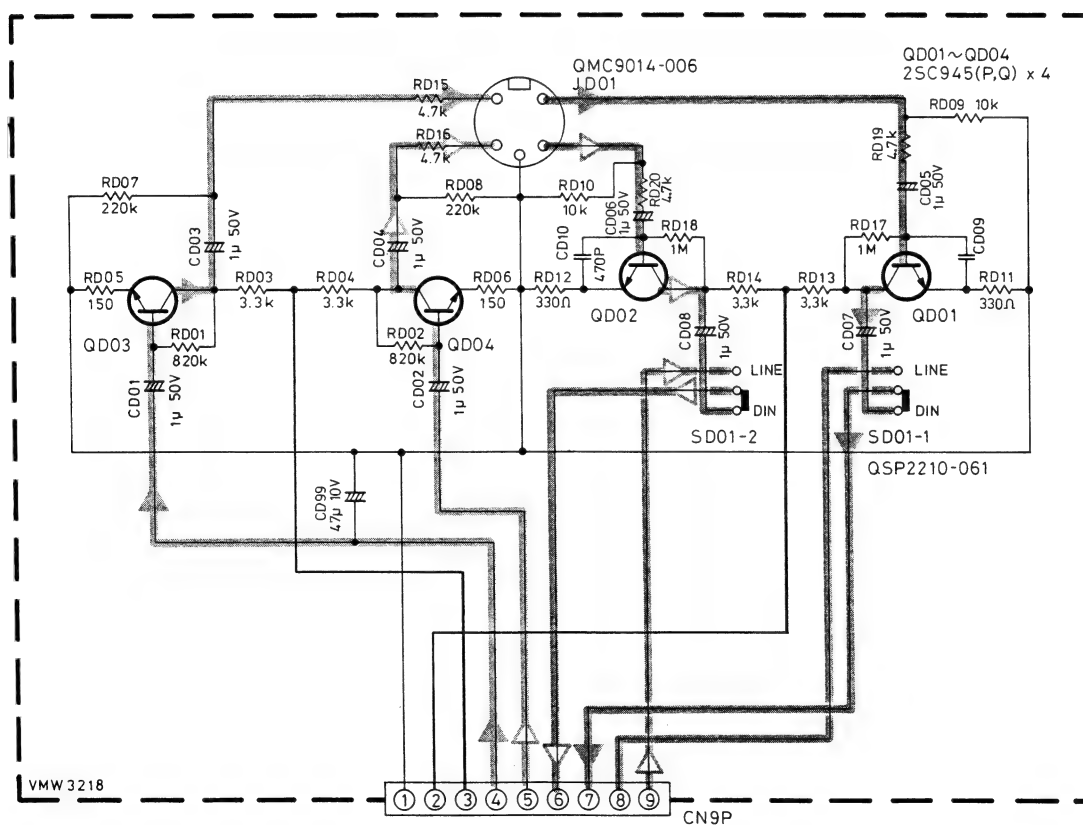


Fig. 20

——— Blue line shows the signal at playback.
 ——— Red line shows the signal at recording.
 ——— + B Circuit.

Standard Schematic Diagram of RC-W3 L (Tuner Circuit)

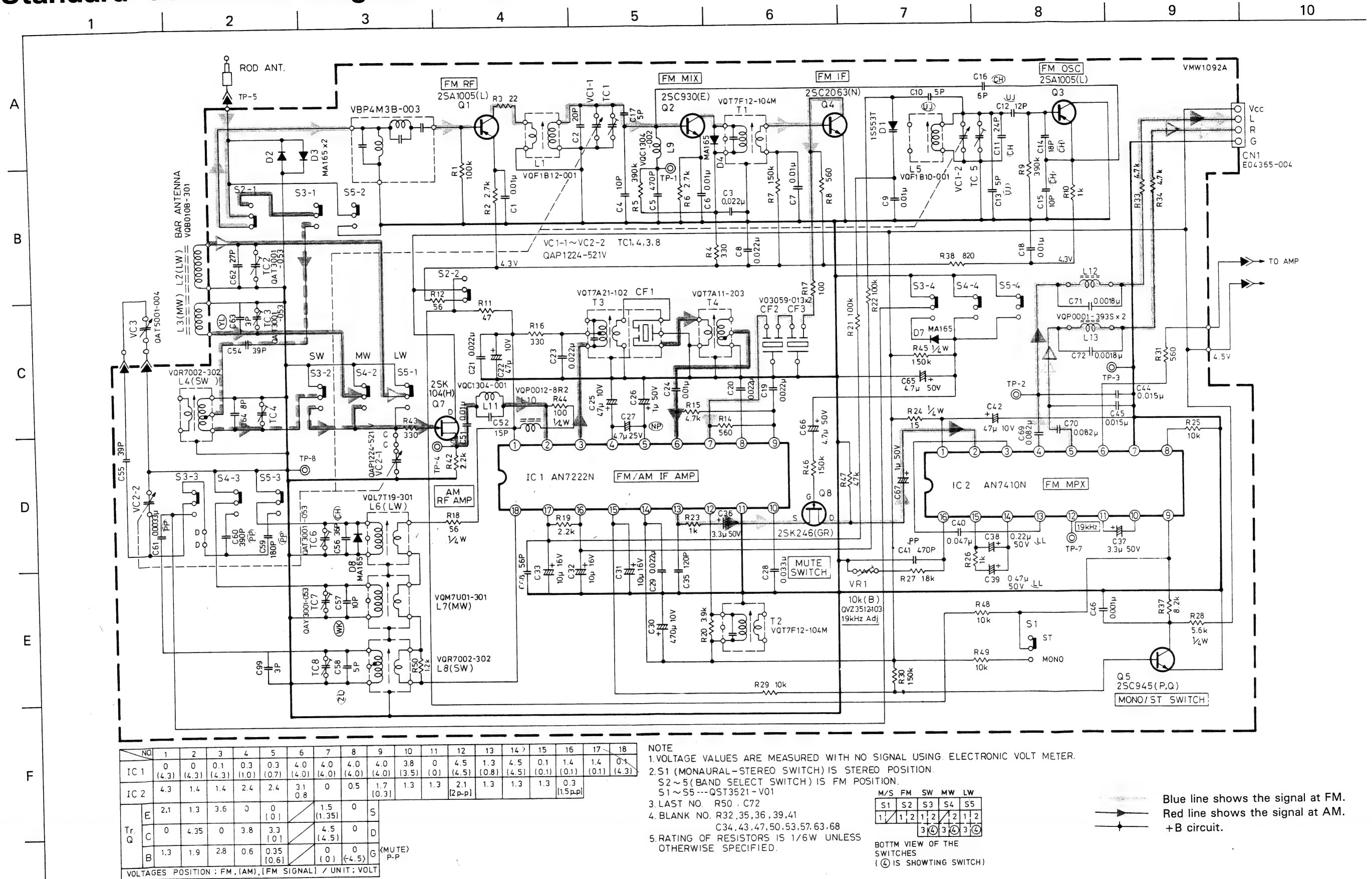
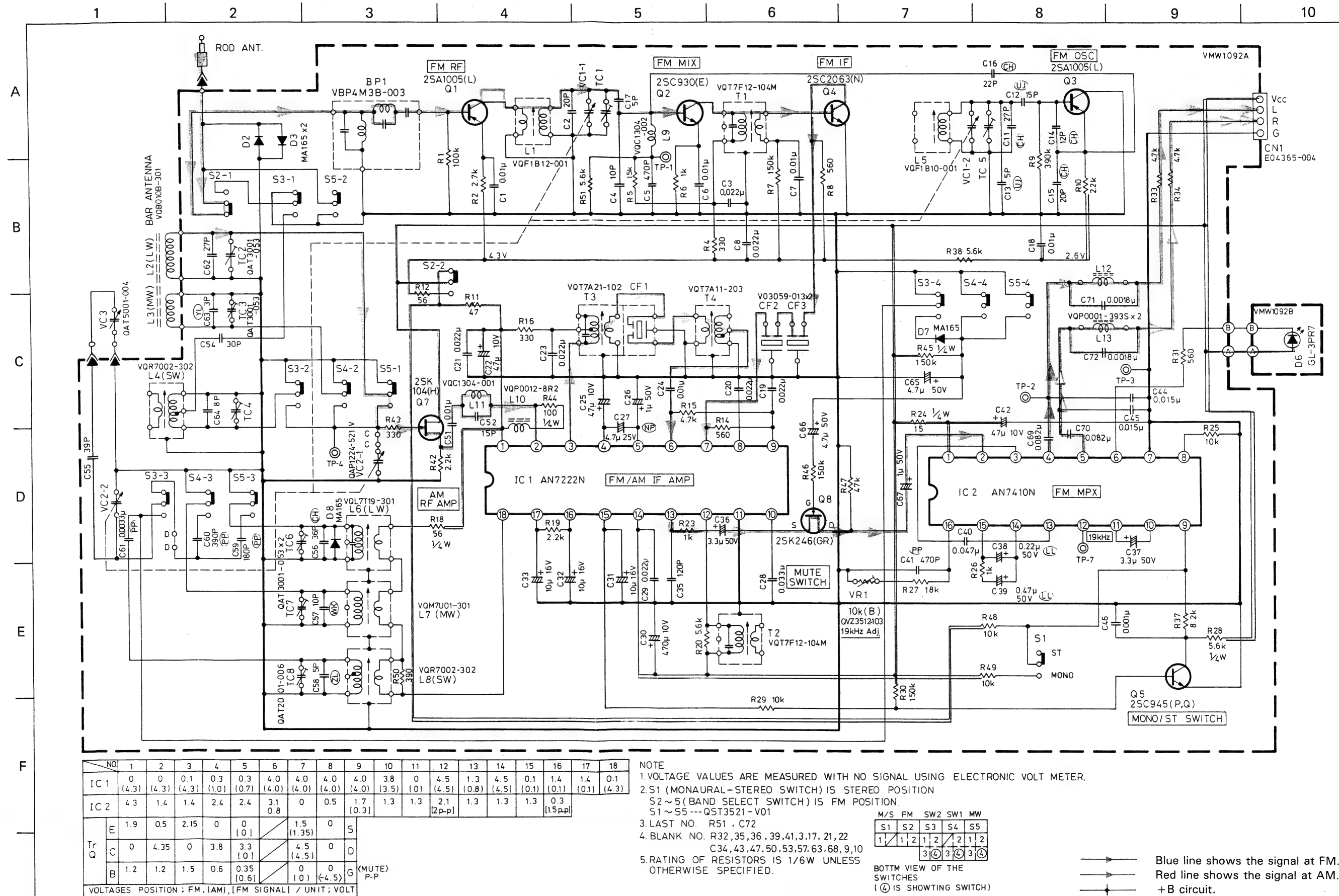
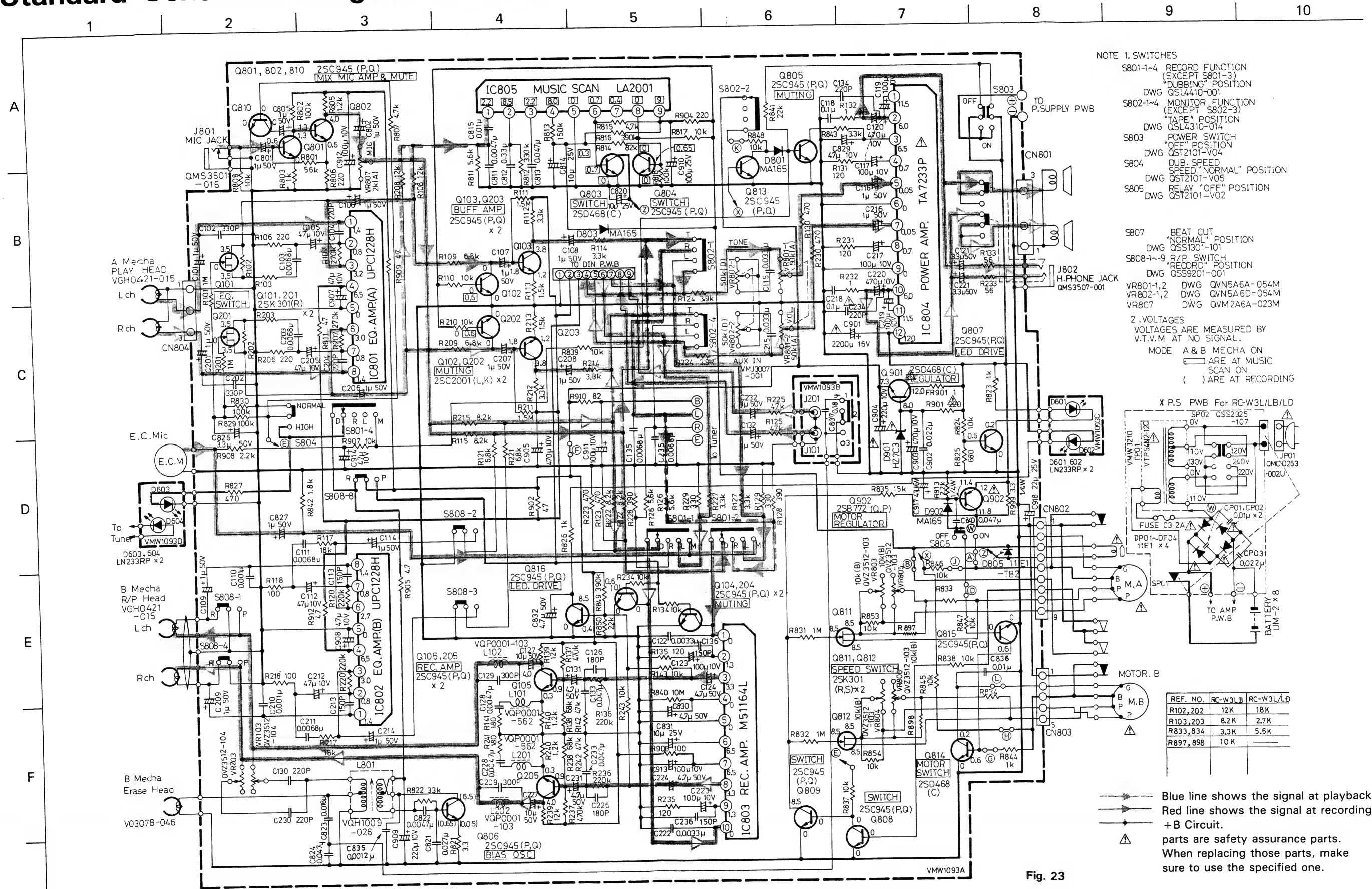


Fig. 21

Standard Schematic Diagram of RC-W3 LD (Tuner Circuit)



Standard Schematic Diagram of RC-W3 (Amplifier Circuit)



Wiring Connections

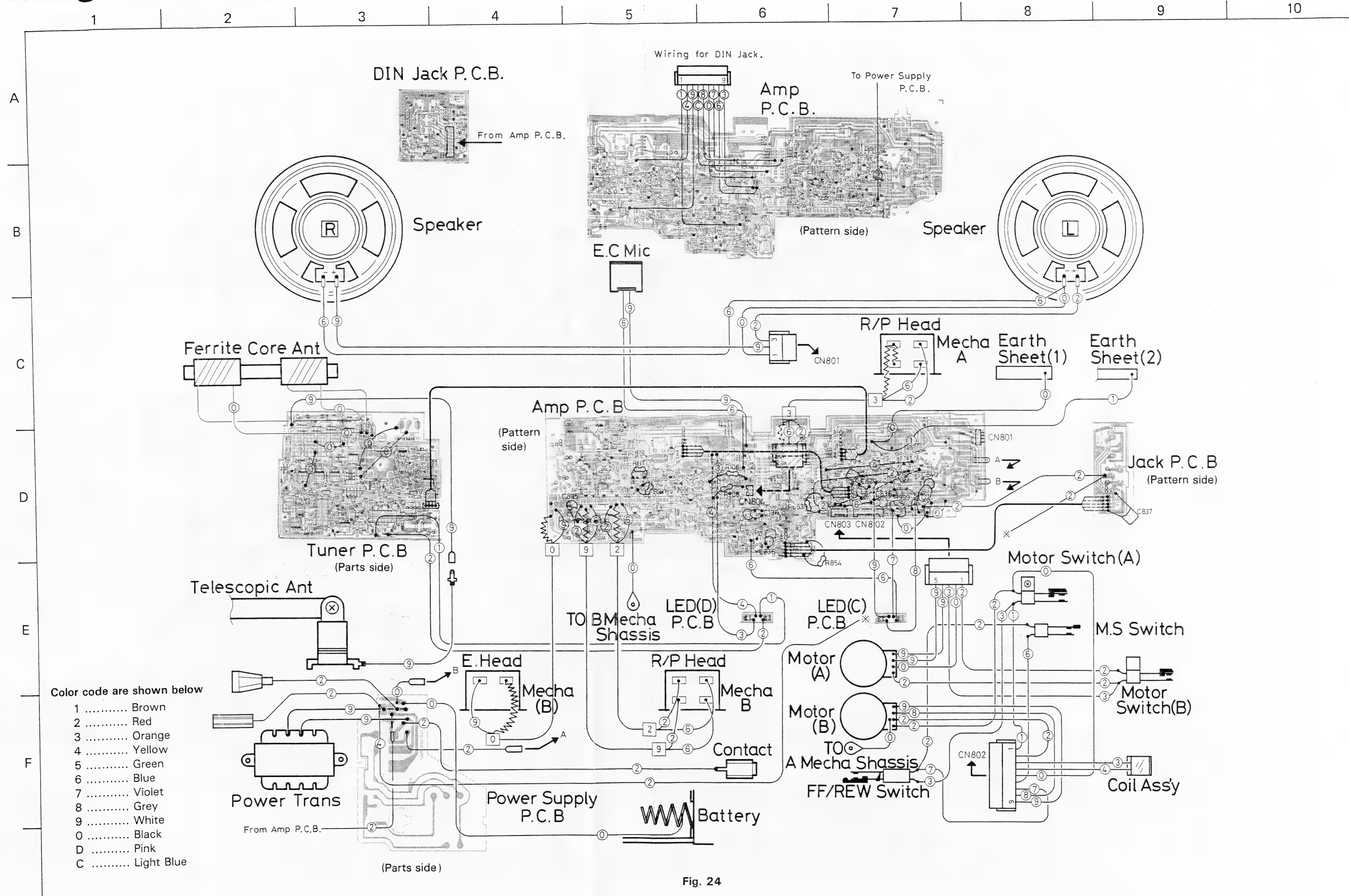
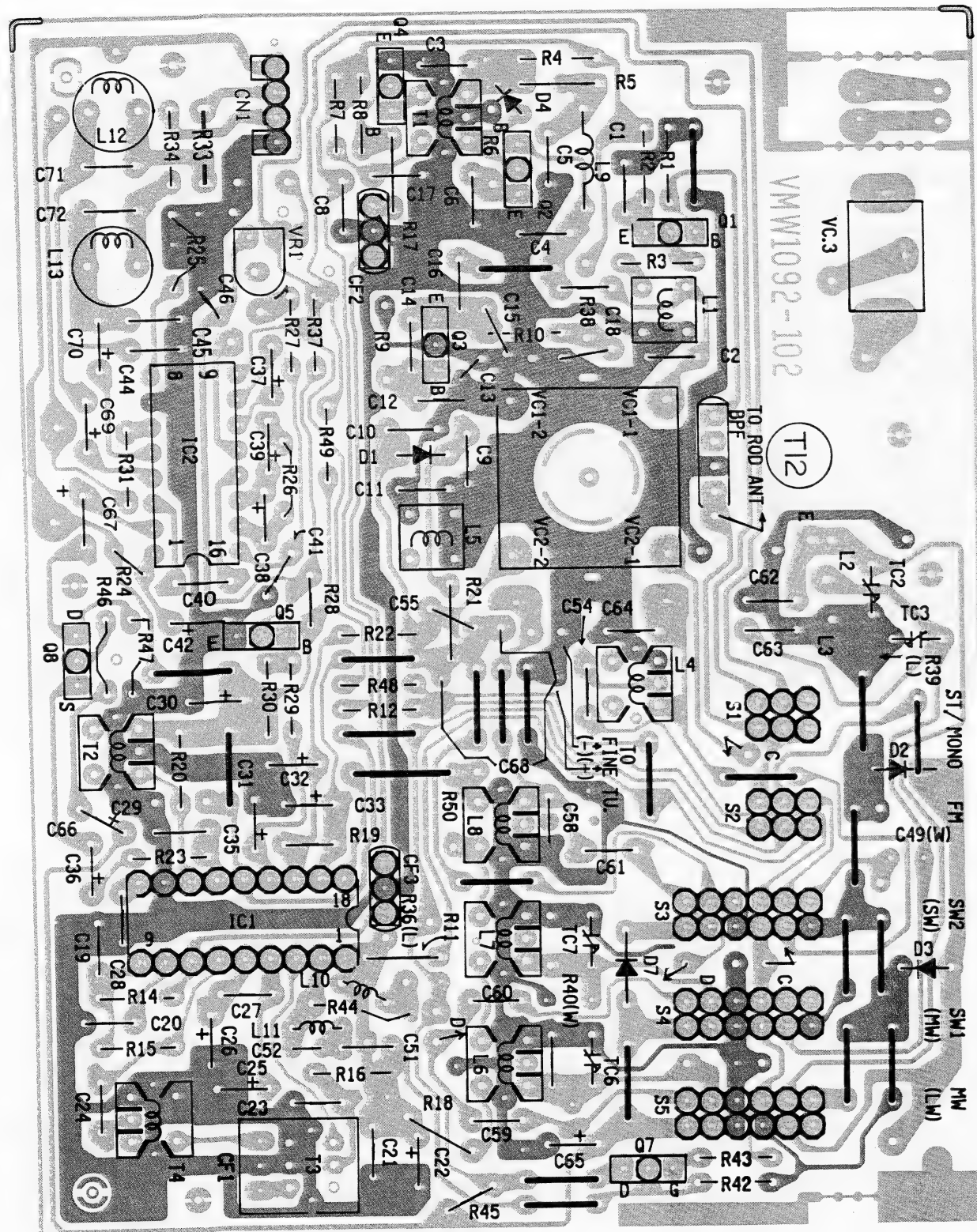


Fig. 24

P.C. Board Parts and Parts List

Tuner P.C. Board



Earth

Tuner P.C. Board
Parts List

△ parts are safety assurance parts.
When replacing those parts, make
sure to use the specified one.

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	IC01	AN7222N	I.C.		1
	IC02	AN7410N			1
	Q01,03	2SA1005 (L)	Transistor		2
	Q04	2SC2063 (N)	"		1
	Q02	2SC930 (E)	"		1
	Q05	2SC945 (P,Q)	"		1
	Q07	2SK104 (H)	"		1
	Q08	2SK246 (GR)	FET		1
	D02,03,07,08	MA165	Si. Diode		4
	VR01	QVZ3512-103	V. Resistor		1
	S01	QST3521-V01	Push Switch		1
	L02	VQB010B-301	Bar Antenna		1
	L11	VQC1304-001	Coil		1
	L09	" -002	"		1
	L05	VQF1B10-001	OSC Coil		1
	L01	VQF1B12-001	RF Coil		1
	L06	VQL7T19-301	OSC Coil		1
	L07	VQM7U01-301	"		1
	L12,13	VQP0001-393S	Coil		2
	L10	VQP0012-8R2	Inductor		1
	L04,08	VQR7002-302	RF Coil		2
	R44	QRD141J-101	Carbon Resistor		1
	R24	" -150	"		1
	R45	" -154	"		1
	R19	" -222	"		1
	R18	" -560	"		1
	R28	" -562	"		1
	R06,23,26	QRD161J-102	Carbon Resistor		3
	R25,29,48,49	" -103	"		4
	R01	" -104	"		1
	R05	" -153	"		1
	R07,30,46	" -154	"		3
	R27	" -183	"		1
	R10,42	" -222	"		2
	R02	" -272	"		1
	R04,16,43	" -331	"		3
	R50	" -391	"		1
	R09	" -394	"		1
	R11	" -470	"		1
	R15,33,34	" -472	"		3
	R47	" -473	"		1
	R12	" -560	"		1
	R08,14,31	" -561	"		3
	R20,38,51	" -562	"		3
	R37	" -822	"		1
	C44,45	QCC11EM-153	C. Capacitor		2
	C08,23	" -223	"		2
	C28	" -333	"		1
	C40	" -473	"		1
	C01,06,07,18 24,51	QCF11HP-103	"		6
	C03,19,20,21 29	" -223	"		5
	C04	QCS11HJ-100	"		1
	C35	" -121	"		1
	C52	" -150	"		1
	C02	" -200	"		1
	C62	" -270	"		1
	C99	" -3R0	"		1
	C54	" -300	"		1
	C56	" -360	"		1
	C55	" -390	"		1
	C05	" -471	"		1
	C17,98	" -5R0	"		2
	C64	" -8R0	"		1
	C14	QCT05CH-120	"		1
	C15	" -200	"		1

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	C16	QCT05CH-220	C. Capacitor		1
	C11	" -270	C Capacitor		1
	C12	QCT05UJ-150	C. Capacitor		1
	C13	" -5R0	"		1
	C57	QCT05WK-100	C Capacitor		1
	C63	QCT05YL-3R0	C. Capacitor		1
	C58	QCT05ZL-5R0	C Capacitor		1
	C46	QCY41HK-102	C. Capacitor		1
	C71,72	" -182	"		2
	C38	QEB41HM-224	E Capacitor		1
	C39	" -474	"		1
	C27	QEN41EM-475	E. Capacitor		1
	C22,25,42	QET41AR-476	E Capacitor		3
	C30	" -477	E. Capacitor		1
	C31 ~ 33	QET41CR-106	E Capacitor		3
	C26,67	QET41HR-105	"		2
	C36,37	" -335	"		2
	C65,66	" -475	"		2
	C59	QFP42AJ-181	P P Capacitor		1
	C61	" -332	"		1
	C60	" -391	"		1
	C41	" -471	"		1
	C69,70	QFV41HJ-823	T F Capacitor		2
	CF02,03	V03059-013	CER. Filter		2
	TC02,03,06,07	QAT3001-053	T. Capacitor		4
	T04	VQT7A11-203	I.F. Transformer		1
	T03	VQT7A21-102	CER Filter		1
	T01,02	VQT7F12-104M	I.F. Transformer		2
	VC01	QAP1224-521V	V. Capacitor		1
	VC03	QAT5001-004	T. Capacitor		1
	BP01	VBP4M3B-003	B. Pass Filter		1

Amplifier P.C. Board

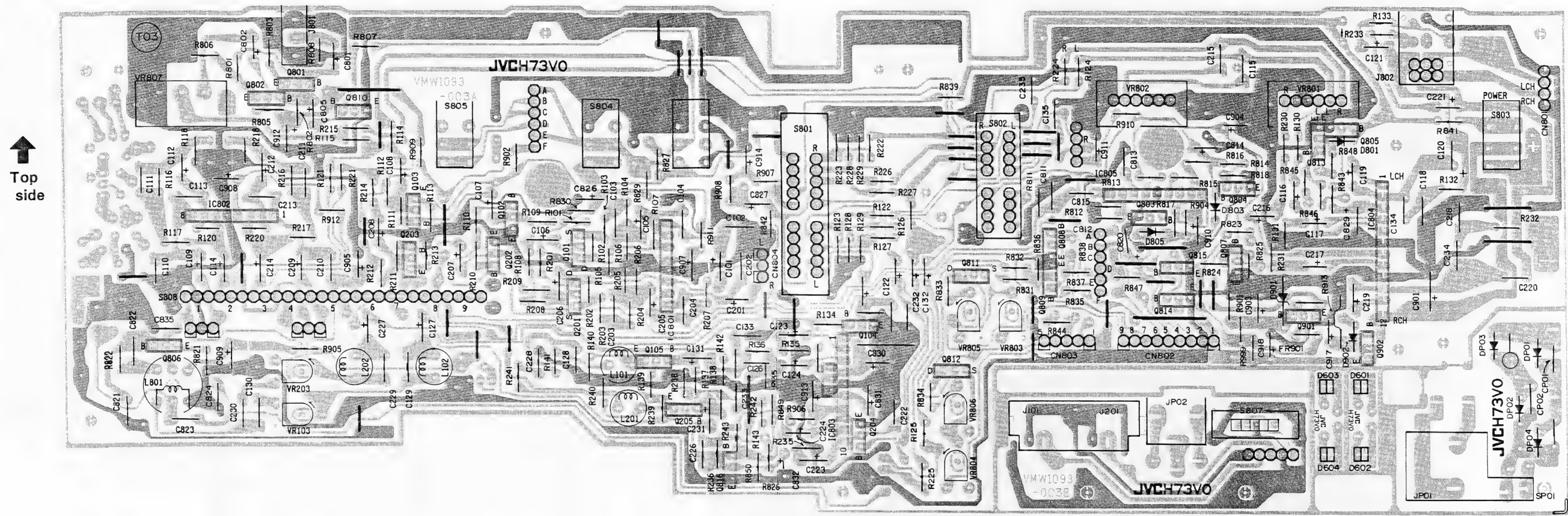


Fig. 26

■ + B Circuit
□ Earth
□ IC & Transistor

Amplifier P.C. Board
Parts List

△ parts are safety assurance parts.
When replacing those parts, make
sure to use the specified one.

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	IC805	LA2001	I.C.		1
	IC803	M51164L	I.C. (M)		1
△	IC804	TA7233P	I.C.		1
	IC801,802	UPC1228H	"		2
	Q902	2SB772 (Q,P)	Transistor		1
	Q102,202	2SC2001 (L,K)	"		2
	Q103~105	2SC945 (P,Q)	"		18
	203~205				
	801,802				
	804~810				
	813,815,816				
△	Q803,814,901	2SD468 (C)	"		3
	Q101,201	2SK301 (R)	FET		2
	Q811,812	2SK301 (R,S)	TR		2

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
△	D901	HZ7C3	Z Diode		1
	D601~604	LN233RP	L.E.D.		4
	D801,803,902	MA165	Si. Diode		3
	DP01,02	11E1-F	"		2
	D805	" -TB2	"		1
	VR807	QVM2A6A-023M	V. Resistor		1
	VR801	QVN5A6A-054M	"		1
	VR802	QVN5A6D-054M	"		1
	VR803~806	QVZ3512-103	"		4
	VR10,20	" -104	"		2
	CN801	QMV5004-003	Connector		1
	CN804	QMV5005-003	Plug		1
	CN803	" -005	"		1
	CN802	" -009	Connector		1

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	S802	QSL4310-014	Lever Switch		1
	S801	QSL4410-001	"		1
	S807	QSS1301-101	Slide Switch		1
	S808	QSS9201-001	Slide SW		1
	S805	QST2101-V02	Push Switch		1
△	S803	" -V04	"		1
	S804	" -V05	"		1
△	FR901	QRH141J-1R0	Fusi. Resistor		1
	L801	VQH1009-026	OSC Coil		1
	L102,202	VQP0001-103	Inductor		2
	L101,201	" -562	"		2
	R840	QRD121J-106	Carbon Resistor		1
	R853,854	QRD141J-103	"		2
	R835	" -153	C Resistor		1

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	R813	QRD141J-154	C Resistor		1
	R111,211	" -155	"		2
	R842	" -182	"		1
	R913	" -222	"		1
	R821	" -3R3	"		1
	R822	" -333	"		1
	R812	" -334	"		1
	R801	" -563	"		1
	R910	" -820	"		1
	R132,232	QRD161J-1R0	Carbon Resistor		2
△	R118,218,906	" -101	"		3
	R803,823,826	" -102	"		4
	844				

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	R110,134,143 210,234,243 808,817,824 837,838,839 845~848 907 R802,818,829 830 R831,823 R131,135,231 235 R140,240,805	QRD16 1J-103	Carbon Resistor		17
		" -104	"		4
		" -105	"		2
		" -121	"		4
		" -122	"		3
	R108,139,208 239 R113,213 R141,241 R102,117,202 217 △ R106,129,206 229,806,901 904	" -123 " -152 " -181 " -183 " -221	" " " " "		4 2 2 4 7
	R908 R841,850 R120,136,220 236 R101,201 R103,203	" -222 " -223 " -224 " -225 " -272	" " " " "		1 2 4 2 2
	R107,207 R112,114,127 212,214,227 843 R128,228 R124,224 R816,849	" -274 " -332 " -391 " -392 " -394	" " " " "		2 7 2 2 2
△	R902,909,911 912 R123,130,223 230,827 R807,815 R125,142,225 242 R137,237	" -470 " -471 " -472 " -473 " -474	" " " " "		4 5 2 4 2
	R133,233 R126,226,811 833,834 R825 R109,121,209 221 R138,238	" -560 " -562 " -681 " -682 " -683	" " " " "		2 5 1 4 2
	R115,122,215 222 R814 R999 R905 C115,215	" -822 " -823 QRD141J-2R2 " -4R7 QCC11EM-333	" " Fusi. Resistor " C. Capacitor		4 1 1 1 2
	C133,233 C815,836 C813,840 C113,213 C126,226	" -473 QCF11HP-103 " -473 QCS11HJ-151 " -181	" " " " "		2 2 2 2 2
	C104,130,134 204,230,234 C129,229 C102,202 C110,210 C835	" -221 " -301 " -331 QCY41HK-102 " -122	" " " " "		6 2 2 2 1
	C122,222 C128,228 811,822	" -332 " -472 "	" " "		2 4 2

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	C103,111,135 203,211,235 C120,220 C117,119,123 217,219,223 911~913 C904,909 C105,112,205 212,829,907 908,914	QCY41HK-682 QET41AM-477 QET41AR-107 " " QET41AR-227 " -476	C. Capacitor E Capacitor " " " "		6 2 9 2 8
△	C903,905 C901 C917 C814,820,831 C910	" -477 QET41CR-228 " -476 QET41ER-106 " -107	E. Capacitor " E Capacitor " "		2 1 1 3 1
	C918 C101,106 107~109 114,116,132 201 206~209 214,216,232 801,802,805 827 C127,227 C121,221,826 C124,131,224 231,830,832	" -226 QET41HR-105 " " " " " " " " -106 " -335 " -475	E. Capacitor E Capacitor " " " " " " " " " "		1 20 2 3 6
	C837 C118,218 C823 C821 C812	QFN41HJ-184 QFV41HJ-104 " -183 " -273 " -334	M Cap F Capacitor T F Capacitor " "		1 2 1 1 1
	C824 J801 J802 J101,201	" -473 QMS3501-016 QMS3507-001 VMJ3007-001	" DC Jack Headphone Jack Jack		1 1 1 1

Power Supply P.C. Board

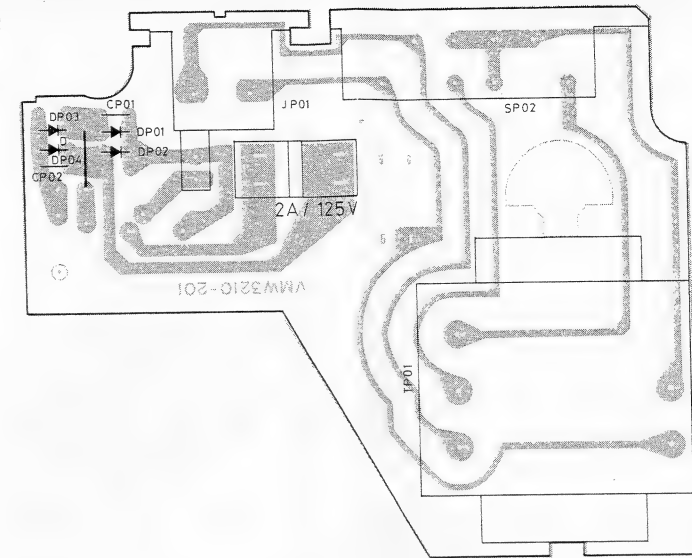


Fig. 27

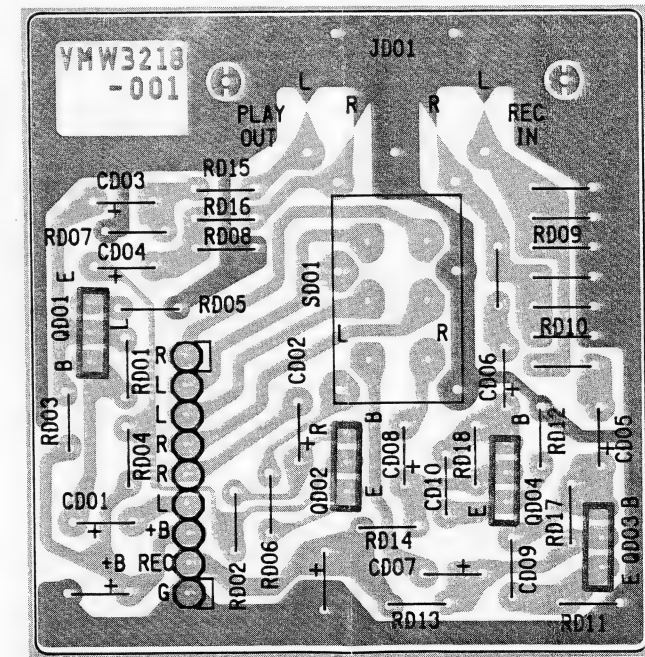
Power Supply P.C. Board Parts List

△ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

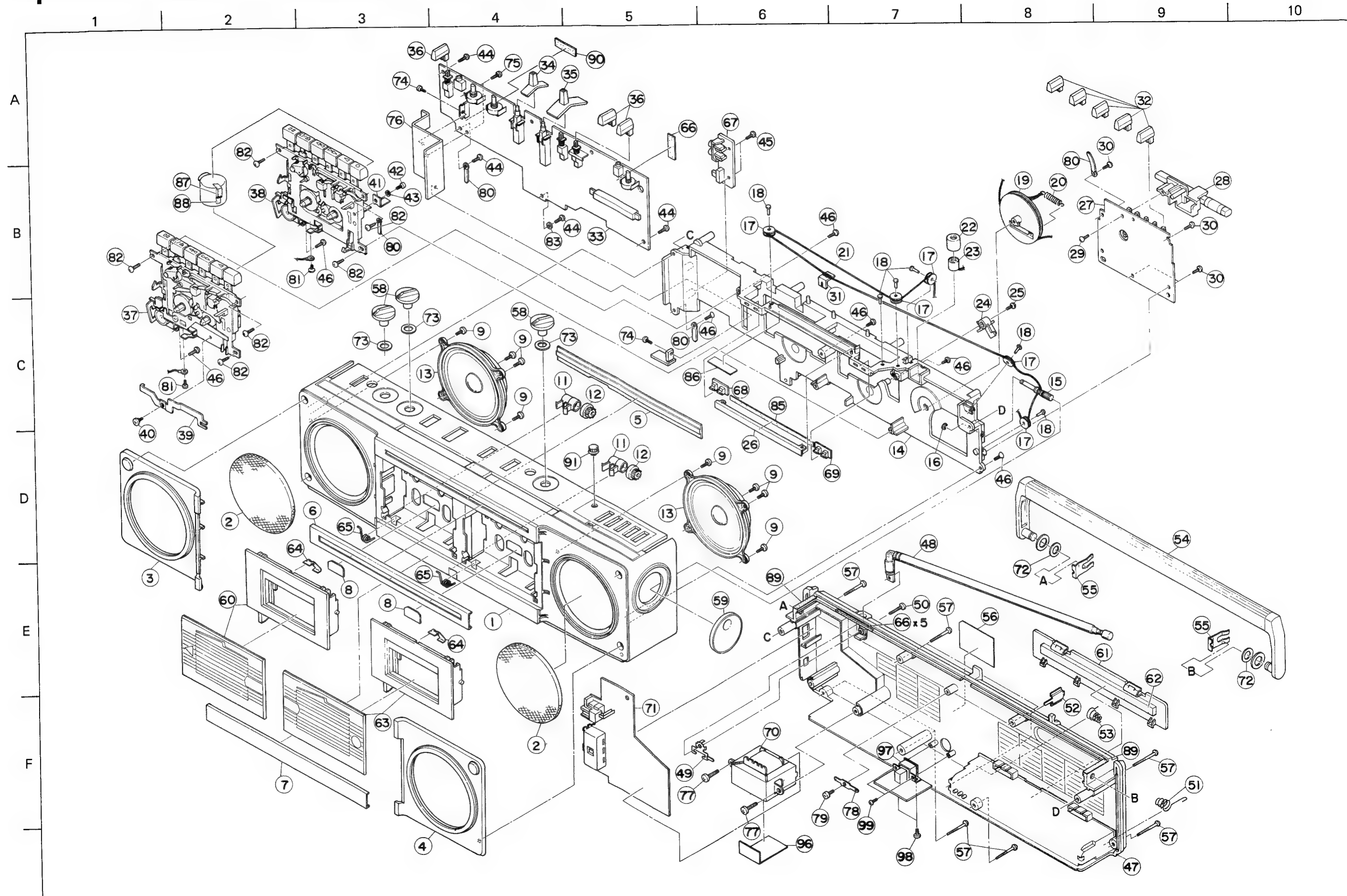
△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
△	DP03,04	11E1-F	Si. Diode		2
△	SP02	QSS2325-107	Slide Switch		1
△	CP01,02	QCF11HP-103	C. Capacitor		2
	CP03	" -223	"		1
△	JP01	QMC0263-002U	AC Socket		1

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
△	TP01	VTP54N2-12C	Power Transf.		1
△		QMF51A2-R80	Fuse	800mAT	1
		A44594-002	Fuse Clip		2
		VMZ0015-002	Post Pin		1

DIN P.C. Board



Exploded View of Enclosure Assembly



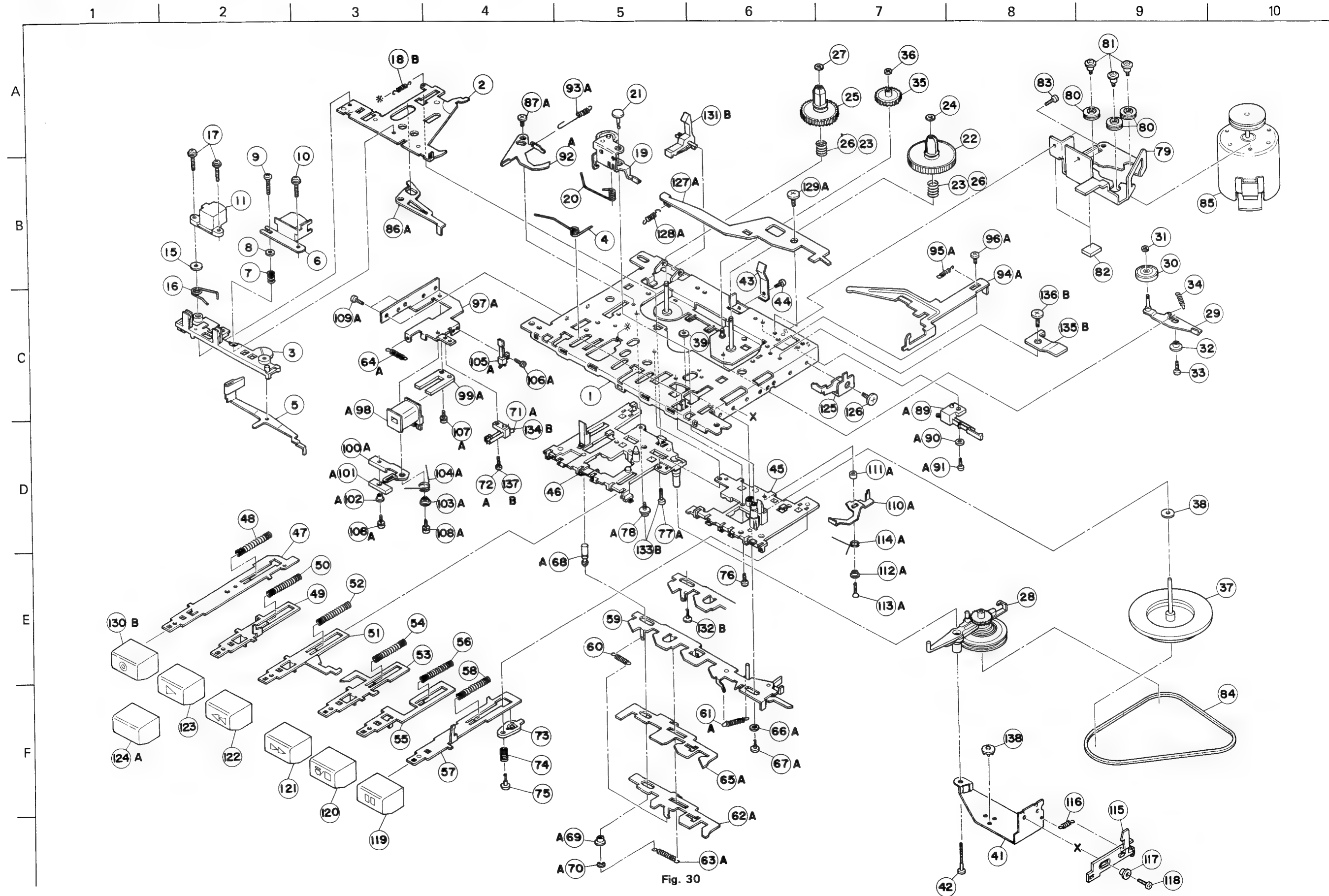
△ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Enclosure Ass'y Parts List

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1~8	ZCRCW3-G	Front Cabinet Ass'y	(GRY)	1
	"	ZCRCW3Y-R	"	(RED)	1
	"	ZCRCW3Y-W	"	(WHT)	1
	1	VJC1356-005	Front Cabinet	RC-W3 L/LD	1
	2	VJD4809-001	Punching Panel		2
	3	VJD3473-104	Speaker Panel (L)	(GRY)	1
	"	" -101	"	(RED)	1
	"	" -102	"	(WHT)	1
	4	" -204	Speaker Panel (R)	(GRY)	1
	"	" -201	"	(RED)	1
	"	" -202	"	(WHT)	1
	5	VJK4217-001	Lens		1
	6	VJK3233-006	Dial Scale	(GRY)	1
	"	" -009	"	(WHT)	1
	"	" -010	"	(RED)	1
	"	" -011	"	(GRY) RC-W3 LD	1
	"	" -012	"	(WHT) RC-W3 LD	1
	7	VJD4810-004	Lower Plate	(GRY)	1
	"	" -006	"	(WHT)	1
	"	" -007	"	(RED)	1
	8	VJD4005-002	Reflection Plate		2
	9	SBSF3008Z	Screw	Speaker	8
	11	VYH4866-001	Dumper Holder		2
	12	VYH4769-001	Gear		2
	13	VGS1001-001	Speaker		2
	14	VYH1138-001	Chassis		1
	15	VYH4058-001	Tuning Shaft		1
	16	REE2000	E Ring		1
	17	V40409-2	Roller		5
	18	VYH4034-003	Stud		6
	19	VYH3267-001	Dial Drum		1
	20	50153-3	Spring		1
	21	VHR2ZK9-05AT	Dial Cord	1,318 mm	1
	22	VYH5111-001	Mic Bushing		1
	23	WM-063X	E.C. Mic		1
	24	VYH5537-001	Lever		1
	25	GBSF3008Z	Tap. Screw		1
	26	VJK4218-001	Dial Back		1
	27	—	Tuner P.W. Board Ass'y		1
	28	VYH5500-002	Bar Antenna Holder		1
	29	SBSF3010Z	Screw	Antenna Holder	1
	30	"	"	Tuner P.W.B.	1
	31	VJN4086-002	Pointer	(GRY/RED)	1
	"	" -005	"	(WHT)	1
	32	VXP4404-001	Push Knob	Band, FM Mode	5
	33	—	Amp. P.W. Board Ass'y		1
	34	VXQ4063-001	Lever Cap	Monitor Source	1
	35	VXQ4066-001	"	Rec. Source	1
	36	VXP4406-001	Push Knob		3
	37	—	Cassette Mecha Ass'y (A)		1
	38	—	" (B)		1
	39	18000838T	Lever Ass'y	A Mecha	1
	40	18000821T	Collar Screw	"	1
	41	VYH5276-002	Rec. Spring Plate	B Mecha	1
	42	LPSP2604Z	Screw	"	1
	43	WNS2600Z	Washer	"	1
	44	SBSF3010Z	Screw	Amp. P.W.B.	4
	45	"	"	Jack P.W.B.	2
	46	SBSF3014C	"		7
	47,56,61,62	ZCRCW3Y-RGY	Rear Cabinet Ass'y	(GRY)	1
	"	" -RR	"	(RED)	1

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	47,56,61,62	ZCRCW3Y-RW	Rear Cabinet Ass'y	(WHT)	1
	47	VJC1357-006	Rear Cabinet	(GRY)	1
	"	" -011	"	(RED)	1
	"	" -010	"	(WHT)	1
	48	VJA3018-00A	Rod Antenna Ass'y		1
	49	VYH4954-001	Rod Antenna Holder		1
	50	SDSP3010R	Screw	Telescopic Antenna	1
	51	VYH5503-002	Battery Spring		1
	52	VYH5016-001	Battery Contact		1
	53	VYH4669-002	Battery Spring		1
	54	VJH4036-00R	Handle Ass'y	(GRY)	1
	"	" -00J	"	(RED)	1
	"	" -00Q	"	(WHT)	1
	55	VYH5634-001	Spring		2
	56	VYH5093-008	Name Plate	RC-W3 L	1
	"	" -010	"	RC-W3 LD	1
	57	SBSF3035Z	Screw	Rear Cabinet	8
	58	VXL4226-001	Knob		3
	59	VXL4227-001	Tuning Knob		1
	60	VJT4089-00G	Cassette Door Ass'y	A Mecha (GRY/RED)	1
	"	" -00E	"	" (WHT)	1
	61,62	ZCRCW3Y-BGY	Battery Cover Ass'y	(GRY)	1
	"	" -BR	"	(RED)	1
	"	" -BW	"	(WHT)	1
	61	VJC3065-004	Battery Cover	(GRY)	1
	"	" -001	"	(RED)	1
	"	" -003	"	(WHT)	1
	62	VYSH104-026	Spacer		1
	63	VJT4089-00H	Cassette Door Ass'y (B)	B Mecha (GRY/RED)	1
	"	" -00F	"	" (WHT)	1
	64	VYH5538-001	Cassette Spring		2
	65	VYH4941-002	Door Spring		2
	66	VYSA1R4-050	Spacer		6
	67	—	Jack P.C. Board Ass'y		1
	68	—	LED P.C. Board Ass'y (C)		1
	69	—	" (D)		1
△	70	VTP54N2-12C	Power Transformer	TP01 RC-W3 L/LD	1
	71	—	Power Supply P.C. Board Ass'y		1
	72	VYSS201-004	Spacer	Handle	2
	73	Q03093-118	Washer	Volume	3
	74	SBSB2608Z	Screw	IC	2
	75	SBSB3008Z	"	Heat Sink	2
	76	VYH5615-001	Heat Sink		1
	77	SBSF4020Z	Screw	Power Trans.	2
	78	V41208-003	Tab	Antenna Relay	1
	79	SBSF3008Z	Screw		1
	80	VKZ4001-007	Wire Holder		4
	81	SDST2605Z	Screw	A, B Mecha	2
	82	SBSF3008Z	"	"	6
	83	Q03093-115	Washer	Amp P.C. Board	1
	85	VYH5618-001	Earth Sheet		1
	86	VYH5618-002	"		1
	87	VYSR101-012	Spacer	Motor	2
	88	F00303-34	"		2
	89	VYSA1R6-040	"	Rear Cabinet	2
	90	VYSS1R1-009	"		1
	91	VXL4243-001	Fine Tuning Knob		1
	96	VYH5632-001	Shield Plate	for Power Trans.	1
	97	VYH5612-001	Bracket	for Din Jack	1
	98	SPST3006Z	Screw	for Din Bracket	2
	99	SBSF3008Z	"	"	2

Exploded View of Mechanism Assembly



Mechanical Component Parts List

⚠ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1	180001501ZT	Mecha Chassis Ass'y		1
	2	18000306T	Head Panel	A Mecha	1
	"	18000316T	"	B Mecha	1
	3	18000305T	Head Base		1
	4	18000307T	Head Panel Spring	A Mecha	1
	5	180003305ZT	Detect Plate Ass'y		1
	6	VGH0421-015	R/P Head		1
	7	14400315T	Head Spring		1
	8	93120000T	Washer		1
	9	92120000T	PM. Screw	R/P Head	1
	10	98200000T	CAP. Screw	"	1
	11	VGH0102-901	Erase Head	A Mecha	1
	"	V03078-046	"	B Mecha	1
	12	97120000T	U Washer	0.1T	1
	13	97130000T	"	0.2T } for Adj. E. Head	1
	14	97140000T	"	0.3T }	1
	15	93330000T	Washer		1
	16	18001404T	RC Spring		1
	17	98210000T	CAP. Screw		2
	18	18000307T	Spring (B)	B Mecha Head Panel	1
	19	180004301ZT	Pinch Roller Arm Ass'y		1
	20	18000405T	Pinch Roller Spring		1
	21	17152015T	Stopper		1
	22	180005303ZT	Take-up Reel Ass'y		1
	23	18000508T	Back Tension Spring	A Mecha Take-up & Supply Reel	2
	24	97930000T	Polyslider Washer		1
	25	180005302ZT	Supply Reel Ass'y		1
	26	18000516T	Back Tension Spring	B Mecha Take-up & Supply Reel	1
	"	18000508T	"	A Mecha Supply Reel	1
	27	97930000T	Polyslider Washer		1
	28	180006314ZT	RF. Clutch Ass'y	A Mecha	1
	"	180006310ZT	"	B Mecha	1
	29	180006503ZT	Take-up Roller Arm Ass'y		1
	30	18000635T	Take-up Roller		1
	31	94210000T	Polyslider Washer		1
	32	18000609T	Collar		1
	33	91810000T	TH. Tap. Screw	A Mecha	1
	"	91800000T	"	B Mecha Take-up Roller Arm	1
	34	18000608T	Spring		1
	35	18000610T	F.F. Gear		1
	36	94210000T	Polyslider Washer		1
	37	18000728ZT	Flywheel Ass'y		1
	38	94380000T	Nylon Washer		1
	39	93610000T	"		1
	41	18000731T	Flywheel Bracket		1
	42	97170000T	Tap. Screw	Flywheel Bracket	1
	43	15100138T	Back Spring		1
	44	92770000T	Tap. Screw		1
	45	18000935BT	Button Base (L)		1
	46	18000934T	" (R)		1
	47	18000978T	Rec. Button Lever	A Mecha	1
	"	18000902T	"	B Mecha Rec. Button Lever	1
	48	18000903T	Spring		1
	49	18000940T	Play Button Lever		1
	50	18000957T	Spring	Play Button Lever	1
	51	18000942T	REW Button Lever	A Mecha	1
	"	18000906T	"	B Mecha	1
	52	18000907T	Spring	A Mecha REW Button Lever	1
	"	18000905T	"	B Mecha	1
	53	18000941T	F.F. Button Lever	A Mecha	1

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	53	18000908T	F.F. Button Lever	B Mecha FF Button Lever	1
	54	18000907T	Spring		1
	55	18000909T	Stop Button Lever		1
	56	18000903T	Spring	Stop Button Lever	1
	57	180009501ZT	Pause Button Lever Ass'y		1
	58	18000957T	Spring	Pause Button Lever	1
	59	180009512AZT	Lock Plate Ass'y	A Mecha	1
	"	180009320ZT	"	B Mecha	1
	60	18000959T	Spring	A Mecha Lock Plate	1
	"	180000919T	"	B Mecha Lock Plate	1
	61	18000963T	"	A Mecha Auto Lever	1
	62	180001406T	Switch Plate	A Mecha	1
	63	18000964T	Spring	A Mecha Switch Plate	1
	64	15590306T	"	A Mecha RF Plate	1
	65	18001602T	RF Plate	A Mecha	1
	66	93330000T	Washer	"	1
	67	18000917T	Lock Plate Boss	"	1
	68	18001603T	Lock Plate Shaft	A Mecha	1
	69	18001604T	Lock Plate Collar	"	1
	70	94990000T	E Ring	A Mecha (REE1200)	1
	71	64050115T	Leaf Switch	A Mecha (LSA-1120C) Motor	1
	72	96750000T	Tap. Screw	A Mecha	1
	73	18000979T	Pause Lever		1
	74	18000958T	Spring	Pause Lever	1
	75	18201032T	Pause Lever Stopper		1
	76	91800000T	TH. Tap. Screw		1
	77	98610000T	Collar Screw		1
	78	97180000T	"		1
	79	18001049T	Motor Bracket		1
	80	05880910T	Rubber Cushion	Motor	3
	81	12001201T	Collar Screw	"	3
	82	18001023T	Mat	Motor Bracket	2
	83	92770000T	Tap. Screw	"	2
△	84	18001061T	Main Belt		1
	85	180010335ZT	Motor Ass'y		1
	86	18001411T	RC Arm B	A Mecha	1
	87	17001202T	Collar Screw	"	1
	89	64010164T	Leaf Switch	A Mecha MSW-1259	1
	90	93120000T	Washer	"	1
	91	91810000T	TH. Tap. Screw	"	1
	92	18001402T	Return Arm	"	1
	93	18001407T	Spring	A Mecha Return Arm	1
	94	18001412T	Timing Plate	"	1
	95	18200312T	Spring	A Mecha Timing Plate	1
	96	17001202T	Collar Screw	"	1
	97	18001605T	CS. Bracket	"	1
	98	18001612ZT	Coil Ass'y	"	1
	99	17001513T	Core B	"	1
	100	17001629T	Amature Plate	" MSW-1373	1
	101	18001606T	RF Amature	"	1
	102	17001630T	Amature Collar	"	1
	103	17001647T	Collar	"	1
	104	18001607T	Spring	"	1
	105	64010165T	Leaf Switch	"	1
	106	90020000T	Screw	"	1
	107	90980000T	Ass'y Screw	"	1
	108	90780000T	"	"	2
	109	92770000T	Tap. Screw	"	2
	110	18001618T	Auto Safety Plate	"	1
	111	18001609T	Spacer	"	1
	112	18001610T	Metal	"	1
	113	98060000T	Screw	A Mecha	1

△	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	114	18001611T	Spring	A Mecha Auto Safety Plate	1
	115	18001101AT	Eject Slide lever		1
	116	18001123T	Spring	Eject Slide Lever	1
	117	15101103T	Collar		1
	118	90390000T	Screw		1
	119	VXP3110-001	Push Button	Pause	1
	120	" -002	"	Stop/Eject	1
	121	" -003	"	FF	1
	122	" -004	"	REW	1
	123	" -005	"	Play	1
	124	" -007	"	A Mecha Synchro Pause Release	1
	125	VKL5638-001	Kick Lever		1
	126	18000821T	Collar Screw		1
	127	18000839T	Lever (B)	A Mecha	1
	128	02681201T	Spring	"	1
	129	18000821T	Collar Screw	"	1
	130	VXP3110-006	Push Button	B Mecha Rec	1
	131	18000201T	Rec. Safety Lever	"	1
	132	17000921T	Lock Plate Boss	"	1
	133	91810000T	TH. Tap. Screw	" Button Base (L)	2
	134	64050115T	Leaf Switch	" LSA-1120C	1
	135	18000841T	Arm Switch Plate	"	1
	136	18000821T	Collar Screw	" Arm Lever Plate	1
	137	96740000T	Tap. Screw	" Leaf Switch	1
	138	07131104T	Spacer		1

Accessories

△ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△	Parts No.	Parts Name	Remarks	Q'ty
	VNM0970-301	Instruction Book	RC-W3 L/LD	1
	QMP3950-183	Power Cord	RC-W3 L/LD	1
	BT20065	Warranty Card	RC-W3 LD	1
	BT20066	"	RC-W3 LD	1
	BT20054-003A	Caution Sheet	RC-W3 LD	1

Packing

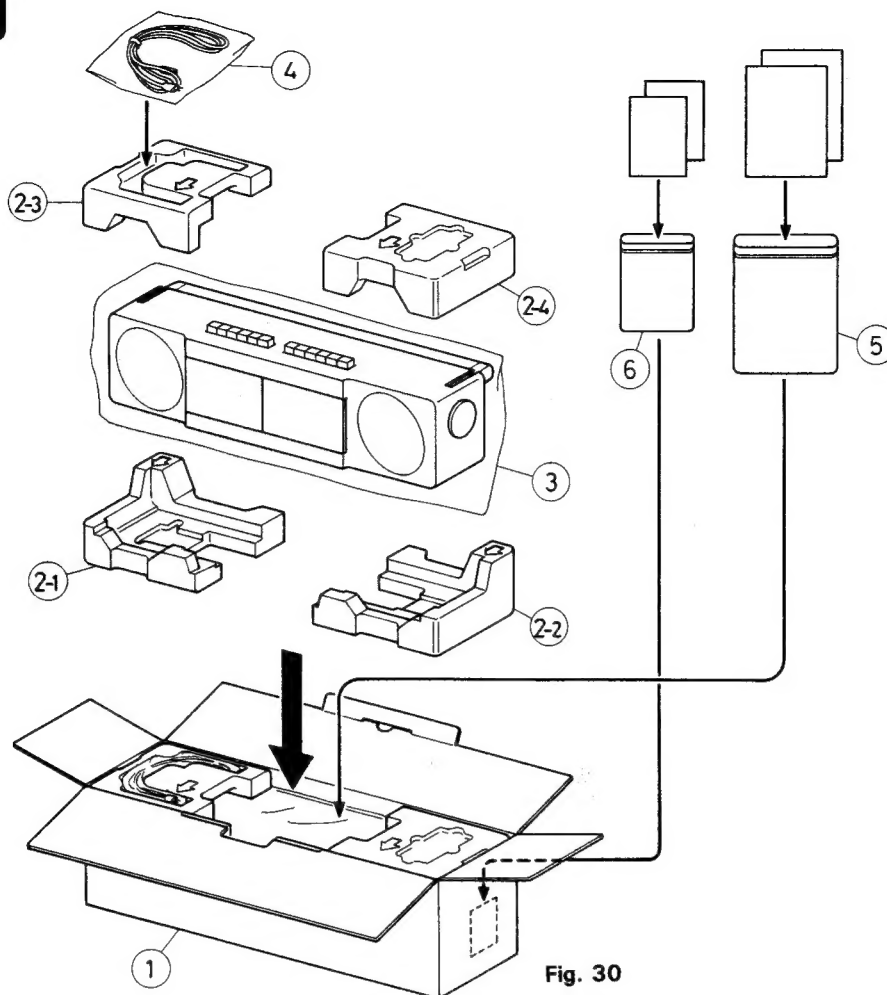


Fig. 30

Packing Parts List

⚠ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1	VDP5093-J15	Carton	RC-W3 L	1
	"	" -J17	"	RC-W3 LD	1
	2-1	VPH2199-001	Lower Cushion	Left	1
	2-2	VPH2200-001	"	Right	1
	2-3	VPH2201-001	Upper Cushion	Left	1
	2-4	VPH2202-001	"	Right	1
	3	VPE3004-030	Poly Bag	for Unit	1
	4	AP4056A-36	"	for Power	1
	5	VPE3004-007	"	for Instruction Book	1
		VPZ4001-001	Serial Ticket		1

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